

ONONDAGA LAKE

NYD986913580

OU: 00

8.0 GENERAL ENFORCEMENT

8.1.2 PRP Specific Info and Correspondence

General Super Plating Co., Inc.

No. 1

0000026073



HANCOCK & ESTABROOK, LLP

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KEVIN E. MC CORMACK

October 11, 1996

VIA FEDERAL EXPRESS

William Little, Esq.

NYS DEC/Onondaga Lake Enf. Proj.

50 Wolf Road

Albany, NY 12233

Re: Joint Request for Information/Onondaga Lake
Our Client: General Super Plating Co., Inc. (GSP)

Dear Mr. Little:


Consistent with my numerous telephone conversations with you and correspondence I am forwarding here the Response of General Super Plating Co., Inc. (GSP) to the joint US EPA/NYS DEC Request for Information regarding Onondaga Lake.

You will note that we have indicated additional information and/or documentation is available upon your request. I will await further communications from you in this regard.

Thank you for your courtesies in granting various extensions for our Response.

Very truly yours,

HANCOCK & ESTABROOK, LLP


Doreen A. Simmons

DAS/slm

cc: Mr. William Daigle, P.E./NYS DEC - Chief, Special Projects Section
Mr. Herbert H. King/US EPA - Remedial Projects Manager
Albert DiBernardo, P.E./TAMS Consultants, Inc.
George A. Shanahan, Esq./US EPA (w/o enclosures)
Mr. William Southwell, General Super Plating Co., Inc. (w/enclosures)

**RESPONSE OF GENERAL SUPERPLATING CO., INC. ("GSP")
to JOINT SECTION 104(e) REQUEST OF US/EPA AND NYS/DEC
RE: ONONDAGA LAKE**

GSP, upon information and belief, submits the following responses to the Joint Request for Information, as regarding Onondaga Lake:

REQUEST NO. 1

1. a. State the correct legal name and address of your company.
- b. Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New York.

RESPONSE NO. 1

1. a. General Superplating Co., Inc.
5762 Celi Drive
East Syracuse, New York 13057
(A new address number was assigned by the United States Postal Service in January of 1995 to this facility. Prior to that time, the address for the facility was "22 Celi Drive").
- b. Incorporation - New York
Agent for Service - Company/Secretary of State

REQUEST NO. 2

2. State the name(s) and address(es) of the President, the Chairman of the Board and the Chief Executive Officer of your company.

RESPONSE NO. 2

2. President - Thomas Gerhardt
c/o GSP
5762 Celi Drive
East Syracuse, NY 13057

Chair-CEO - Herbert N. Gerhardt, Jr.,
c/o GSP
5762 Celi Drive
East Syracuse, NY 13057

REQUEST NO. 3

3. If your company is a subsidiary or affiliate of another corporation, or has subsidiaries, identify each such entity and its relationship to the company, and state the name(s) and address(es) of each such entity's President, Chairman of the Board and Chief Executive Officer.

RESPONSE NO. 3

3. Not Applicable.

REQUEST NO. 4

4. List all of your facilities which generated, handled, transported, treated, stored or disposed of hazardous substances, hazardous wastes, or industrial wastes which are, or were formerly, located within fifty miles of any point along the shoreline of Onondaga Lake. For each such facility, state its name and address, and period of operation, Please identify any of your facilities that are no longer in operation within this area. Please note the SIC code and EPA RCRA ID number of all facilities, if such have been assigned. Please include a facility location map and a map of the facility itself.

RESPONSE NO. 4

4. A. **Celi Drive facility**
5762 Celi Drive
East Syracuse, NY 13057
(Previously known at "22 Celi Drive" at same location)

In operation from approximately 1980 to present

SIC Code - 3471

EPA I.D. No. NYD982721656

Location Map - See Exhibit 4A

Facility Map - See Exhibit 4A-1

- B. **Joy Road facility**
6606 Joy Road

East Syracuse, NY 13057

In operation periodically from approximately 1987 to 1992

SIC Code - 3471

EPA I.D. No. NYD981182538

Location/Facility map - Exhibit 4B

C. **Joy Road (Adhesive) facility**

6608 Joy Road

East Syracuse, New York 13057

In operation from approximately 1986 to 1990

SIC Code - 3471

EPA I.D. No. NYD981568264

Facility Map - None currently available (adjacent to Joy Road Facility).

Note: For a brief period in 1986, GSP operated a small adhesive pilot plant on Oliva Drive in East Syracuse as a prototype for the Joy Road Adhesive facility. No waste was generated by the pilot plant.

D. **Bridge Street facility**

5781 Bridge Street

East Syracuse, New York 13057

In operation from approximately 1963 to 1983 (facility was phased out from 1980-1983)

SIC Code - 3471

EPA I.D. No. NYD002242501

Facility location map - Exhibit 4A

Note: In 1979 a major fire at this facility destroyed all records.

REQUEST NO. 5

5. Indicate the nature of the operation for each facility identified in Question 4 above. If the operations changed, indicate the nature of those changes (including any name changes) and the dates the changes took place.

RESPONSE NO. 5

5. The general nature of operations at each facility

As to Celi Drive facility, Joy Road facility and Bridge Street facility - metal finishing

on plastic and metal substrates.

As to **Joy Road (Adhesive) facility** - application of adhesives on metal components.

REQUEST NO. 6

6. For each facility identified in your response to Question 4 above, provide a detailed process/mechanical description of the processes used, the wastes generated from such processes, and the volume or weight of such wastes. If the process and/or waste stream changed, indicate the nature of the changes (including volumes) and the dates the changes took place. For each such waste stream provide any analyses that you have of the chemical composition of the waste stream.

RESPONSE NO. 6

6. A. As for descriptions of processes which generate or generated waste at the **Celi Drive facility**

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Description</u>	<u>Waste Generated</u>
Plastics Line	1980 to present	The plastics plating line consists of surface preparation, activation, electroless plating and electroplating steps. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal enabling electrolytic deposition (electroless plating) of a metallic coating.	F001, F006, F007

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Description</u>	<u>Waste Generated</u>
Metals #1 (Job Shop) Line	1983 to present	<p><u>Phosphate Process:</u> This process deposits an immersion coating of zinc phosphate onto steel substrates.</p> <p><u>Anodizing Process:</u> The anodizing process converts the surface of aluminum substrate into a dyeable corrosion and abrasion resistant aluminum oxide coating for both functional and decorative purposes.</p> <p><u>Miscellaneous Metals Processes:</u> These processes are associated with electrodeposition on metal substrates.</p>	F006
Metals #2 Line	1988 to present	This is a fully automated, dedicated plating line where materials are used to prepare a stainless steel stamping for a subsequent metal plate.	F001, F003, F005, F006, F007
Shielding Line	1983 to 1993 (intermittent)	The shielding line consists of surface preparation, activation and electroless plating. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal enabling electrolytic deposition (electroless plating).	F006
Barrel Zn Plating Line	1983 to 1988	The zinc barrel line consists of cleaners, activators and plating solutions designed to bulk zinc plate metal parts.	F006

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Description</u>	<u>Waste Generated</u>
Ni Barrel Line	1992 to present	The barrel nickel process consists of cleaners, activators and plating solutions designed to bulk nickel plate metal parts.	F006 Note: This is a closed loop line (no discharge).

As to nature and quantity of waste generated (approximate) at the **Celi Drive facility**

<u>Waste</u>	<u>Approx. Annual Vol./Tons (1983 to 1996)</u>	<u>Transporter/Disposal Facility</u>
Plating Sludge (F006; currently reclaimed)	81	Not applicable (none within 50 miles of Onondaga Lake)
Spent Gold Resin (F007; reclaimed)	.5	Not applicable
Spent degreaser (F001, F002)	10	Solvents & Petroleum Services, Inc. Syracuse, New York
Spent Gold Bath (D003)	< .05	Not applicable.

Industrial recycled materials

<u>Waste</u>	<u>Approx. Annual Vol./Gallons</u>	<u>Transporter/Disposal Facility</u>
Spent Strip (from Ni Barrel Line)	660 Gallons	None

See Exhibit 6A - Representative manifests/Celi Drive facility.

B. As for descriptions of processes which generated waste at the Joy Road facility

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Descriptions</u>	<u>Waste Generated</u>
Shielding Line	1987 - 1989 1990 - 1992	See above, same as Celi Drive Facility.	F006 D001 D002 D007
Ni Plating Line	1989-1990	This process consists of cleaners, activators and plating solutions used to deposit a layer of nickel on metallic substrates.	F006

As to nature and quantity of waste generated (approximate) at the Joy Road facility

Hazardous Waste

<u>Waste</u>	<u>Approx. Annual Vol./Tons 1988 to 1992</u>	<u>Transporter/Disposal Facility</u>
Plating Sludge (F006)	7 Tons	Not applicable
Miscellaneous Waste (D001)	.5 Tons	Not applicable
Spent Bath (D002)	6 Tons	Not applicable
Spent Bath (D007)	18 Tons	Not applicable

See Exhibit 6B Representative Manifest/Joy Road facility.

- C. As for descriptions of processes which generated waste at the **Joy Road (Adhesive) facility**

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Descriptions</u>	<u>Waste Generated</u>
Adhesive Line	1986 - 1990	Spray application of adhesive on metal components	D001 F002 F005

As to nature and volume of waste generated by processes at the **Joy Road (Adhesive) facility**

Hazardous Waste

<u>Waste</u>	<u>Approx. Annual Vol./Tons 1986 to 1990</u>	<u>Transporter/Disposal Facility</u>
Spent Wash (F002)	1.8	Solvents & Petroleum Services, Inc. Syracuse, New York
(D001; related to facility shutdown)	1.2	Not applicable.
(F005; related to facility shutdown)	.1	Not applicable.

- D. As for descriptions of processes which generated waste at the **Bridge Street facility**

<u>Process</u>	<u>Approximate Period of Operation</u>	<u>Process Descriptions</u>
Plastics Line	1964 - 1980	The Plastics plating line consists of surface preparation, activation, electroless plating and electroplating steps. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal (electroless Plating) enabling electrolytic deposition of a metallic coating.
Metals Line (Job shop)	1963 - 1983 (Intermittent)	Miscellaneous plating processes that are associated with electrode deposition on metal substrate.
Zn Barrel Line	1965-1983	The zinc barrel line consists of cleaners, activators and plating solutions designed to bulk zinc plate a variety of metal parts.
Zn Rack Line	1964 - 1983	The zinc plating line consists of cleaners, activators and plating solutions designed to rack plate zinc on a variety of metal parts.

Note: No records of any waste generation exists. (See **Note** in Response 4D).

Note: As to the above facilities, only Transporter/Disposal Facilities within 50 miles of Onondaga Lake are provided. There were sporadic transportations off-site of "off spec" raw materials and maintenance related waste to out of state facilities. Manifests available upon request.

See also Response 10 as to discharges to the Onondaga County Department of Drainage and Sanitation (OCDDS).

REQUEST NO. 7

7. Explain in detail the manner of transportation or disposal of the hazardous wastes, hazardous substances and industrial wastes generated, handled, treated or stored at the facilities identified in your response to Question 4 above. Provide a separate response for

each facility identified in your answer to Question 4 above.

RESPONSE NO. 7

7. See Response 6.

REQUEST NO. 8

8. For each type of hazardous waste, hazardous substance, and industrial waste material listed above, provide the names and addresses of all transporters and disposal facilities used, and state when each transporter and disposal facility was used. Please identify the total volume or weight of such material that was transported by that entity or individual to each such disposal facility.

RESPONSE NO. 8

8. See Response 6.

REQUEST NO. 9

9. State whether any hazardous substance, hazardous waste or industrial waste, as those terms are defined in Instructions 12-14, was ever released or discharged into the environment at your facility. For purposes of this request, the term "discharged into the environment" means an intentional or accidental release to any and all environmental media, including soil, groundwater, surface water, sediments, and air. If yes, provide the following information:
- a. If this was a continuous or intermittent practice or event, identify the period of time during which this practice or event occurred, the hazardous substances, hazardous wastes, and industrial wastes released or discharged, and the quantities that were released or discharged and to where they were discharged. (In addition to a description of the discharge location, the discharge location should be shown on a map of the area and enclosed with your reply).
 - b. If there was no continuous or intermittent practice or event of release or discharge, specify the date of each incident, the hazardous substances, hazardous wastes, and industrial wastes, and the quantities that were released or discharged.
 - c. If any of the hazardous substances, hazardous wastes, or industrial wastes

released would have entered either directly or indirectly (e.g. through surface runoff or groundwater migration) into Onondaga Lake or its tributaries, please provide the path of release.

d. Provide all data summarizing the results of laboratory analyses, as well as all data acquired in the field, from soil, sediment, groundwater, surface water, air and biota samples collected on or adjacent to each facility to assess the extent of contamination. Clearly indicate the sample locations on a site map.

RESPONSE NO. 9

9. Celi Drive facility

As to Air Permits (current) - see Exhibit 9A.

Note: GSP is anticipating new Air Permits to be issued within 90 days, based on applications submitted which will be made available upon request.

Joy Road facility

As to Air Permits (prior; facility no longer in operation) - see Exhibit 9B.

In May of 1988 GSP responded to a suspected chromium solution discharge (determined to be the result of a defective floor line in the containment system) by reporting the incident to the New York State Department of Environmental Conservation and retaining a consultant to immediately investigate and remediate any residual contamination. The facility had only been in operation for several months prior to the suspected discharge. See report of Blasland & Bouck Engineers, P.C. (August 1993) attached here as Exhibit 9B-1.

(a) See Exhibit 9B-1

(b) See Exhibit 9B-1

(c) There is no reason to believe that chromium or any other hazardous substance would have entered Onondaga Lake or its tributaries.

(d) See Exhibit 9B-1

Also, two minor spill incidents occurred during the operation of the Joy Road facility - 1) during the removal of a spent bath solution the transporter discharged onto the facility parking lot approximately 50 gallons of solution which was immediately remediated by the transporter (approximately 1988) and 2) a person was changing oil and spilled less than 5 gallons of waste (auto) oil near the facility which was immediately remediated (1992).

Joy Road (Adhesive) facility

As to Air Permits - see Exhibit 9C

Note: See also Response 10 as to discharges to the Onondaga County Department of Drainage and Sanitation (OCDDS). Retained SARA Title III/Form R's available upon request.

REQUEST NO. 10

10. Was any of the material described in your response to Question 9 treated prior to direct discharge into the Lake or its tributaries, or pretreated prior to discharge into a municipal sewerage system which discharges to the Lake or a tributary to the Lake? If so:
- a. describe the treatment or pretreatment process and capacity and whether discharges were continuous or intermittent;
 - b. the years during which treatment or pretreatment occurred, including date treatment or pretreatment began, and whether discharges continue or date of cessation of discharges if discontinued;
 - c. the quantities of influent waste treated or pretreated;
 - d. the quantities and composition (chemical analysis) of treated or pretreated material discharged;
 - e. whether the material was discharged directly into the Onondaga Lake, a tributary of the Lake or into a municipal sewerage system which discharges to the Lake or a tributary of the Lake;
 - f. how you disposed of any sludges or residues generated by the treatment or pretreatment process; and
 - g. provide the location of discharge and, if applicable, the name of municipal sewerage system to which discharge was made.

RESPONSE NO. 10

10. Not applicable except as to discharges to the OCDDS which may have treated and then discharged to Onondaga Lake.

A. Celi Drive facility

See Exhibit 10A - Permit(s)

- a. See Exhibit 10A. In general, pretreatment consists of chrome reduction and conventional hydroxide precipitation with occasional (as needed) cyanide destruction.
- b. During all years of operation
- c. See (d) below.
- d. See Representative monitoring reports - Exhibit 10A-1; since 1992 approximately 20,000,000 gallons/year of **total** waste water. Additional reports available upon request.
- e. Discharge to OCDDS only - See Exhibit 10A-1
- f. See Response 6
- g. See Exhibit 10A

B. Joy Road facility

See Exhibit 10B - Permit(s).

- a. See Exhibit 10B. In general, pretreatment consisted of chrome reduction and conventional hydroxide precipitation.
- b. During all years of operation
- c. See (d) below and Exhibit 9B
- d. Representative monitoring reports attached as Exhibit 10B-1; 1992/1993 approximately 2,650,000 gallons/year of **total** wastewater.
- e. Discharge to OCDDS only - See Exhibit 10B
- f. See Response 6
- g. See Exhibit 10B

C. Joy Road Adhesive facility.

See Exhibit 10C - Permit

- a. See Exhibit 10C - pH monitoring only
- b. Not applicable
- c. Unknown
- d. None now known
- e. Discharge to OCDDS only - See Exhibit 10C
- f. See Response 6
- g. See Exhibit 10C

D. Bridge Street facility

Process effluent was discharged to OCDDS. Specific details of discharge unknown. No known pretreatment, besides cyanide destruct. No records exist. See **Note** in Response 4D.

REQUEST NO. 11

- 11. Identify all persons and other entities, including yourself, who determined how to treat, store, and/or dispose of hazardous wastes, hazardous substances, and industrial wastes generated at the facility. Provide the names and current addresses of all individuals who participated in such determinations.

RESPONSE NO. 11

- 11. Generally William W. Southwell (c/o GSP), following recommendations of consultants and persons under his supervision (prior to Mr. Southwell - Scott Greenleaf).

REQUEST NO. 12

- 12. Identify all of the sources of the information contained in your answers to questions 6-11. Provide copies of all documents that relate to your answers including, but not limited to invoices, manifests, hazardous substances, hazardous and industrial waste data and analyses or characterizations and contracts, or agreements with transporting, treatment, storage or disposal facilities.

RESPONSE NO. 12

- 12. Documents generally referenced to respond to these requests are attached as Exhibits to this Response or noted as available upon request.

REQUEST NO. 13

13. Provide copies of applications for Refuse Act Permit Program, National Pollutant Discharge Elimination System Permits, State Pollutant Discharge Elimination System Permits, and Onondaga County Department of Drainage and Sanitation Permits, including any waste analyses or characterization submitted with such applications. Provide copies of all permits and all amendments to said permits. Provide copies of all Notices of Violations, or administrative or judicial complaints, concerning such discharges submitted or filed by federal, state, county or municipal governments and their regulatory agencies as well as copies of all judicial complaints filed by other persons (including corporate or partnership entities or public interest groups).

RESPONSE NO. 13

13. No known formal applications. Periodic correspondences relative to permit modifications available upon request. See Response 10.

As to Notices of Violation See Exhibit 13A - Administrative Orders (executed by GSP in compromise of Notices and Orders; all actual notices available upon request).
See Exhibit 13A-1 - summary of NOV violations 1988 to 1994.

REQUEST NO. 14

14. Identify any current or previous insurance policies that may indemnify you or your company against any liability that you or any entity may incur in connection with the release of any hazardous substances and/or hazardous wastes at the Site. Please provide a copy of the policy. For any policy that you cannot locate or obtain, provide the name of the carrier, years in effect, nature and extent of coverage, and any other relevant information you have.

RESPONSE NO. 14

14.

Policy period	Policy No.	Insurance Carrier
1979-1980 1980-1984 1984-1985 1985-1987	BOP 866 42 95 BOP 878 83 32 BOP 878 84 08 BOP 887 72 09	Home Insurance Company 2 Clinton Square Syracuse, NY 13202
1987-1988 1988-1989 1989-1990	052 SM 1137035 052 GL 5285110 052 GL 5526239	Aetna Claims P.O. Box 22986 Rochester, NY 14692-2986
1990-1992 1992-1994 1994-1995	CDO 993 21 96 CDO 993 21 69 GL 301 24 74	AIG, New Hampshire/Granite State 100 Great Oak Office Park 2nd Floor Albany, NY 12203

GSP is continuing its investigation as to insurance policies.

REQUEST NO. 15

15. Supply any additional information that may be used to identify additional sources of information or parties involved with the Site.

RESPONSE NO. 15

15. None known.

REQUEST NO. 16

16. State the name, title, and address of each individual who assisted or was consulted in the preparation of the response to this "Request for Information" and specify the question to which each person assisted in responding.

RESPONSE NO. 16

16. William W. Southwell
Vice President/General Manager

Jean Jodoin
Environmental Engineer

Scott Greenleaf
Vice President

Robert Besanson
Service Supervisor

Herbert N. Gearhardt
Chairman

All c/o General Super Plating Co., Inc.
5762 Celi Drive
East Syracuse, NY 13057

Assisted by counsel -

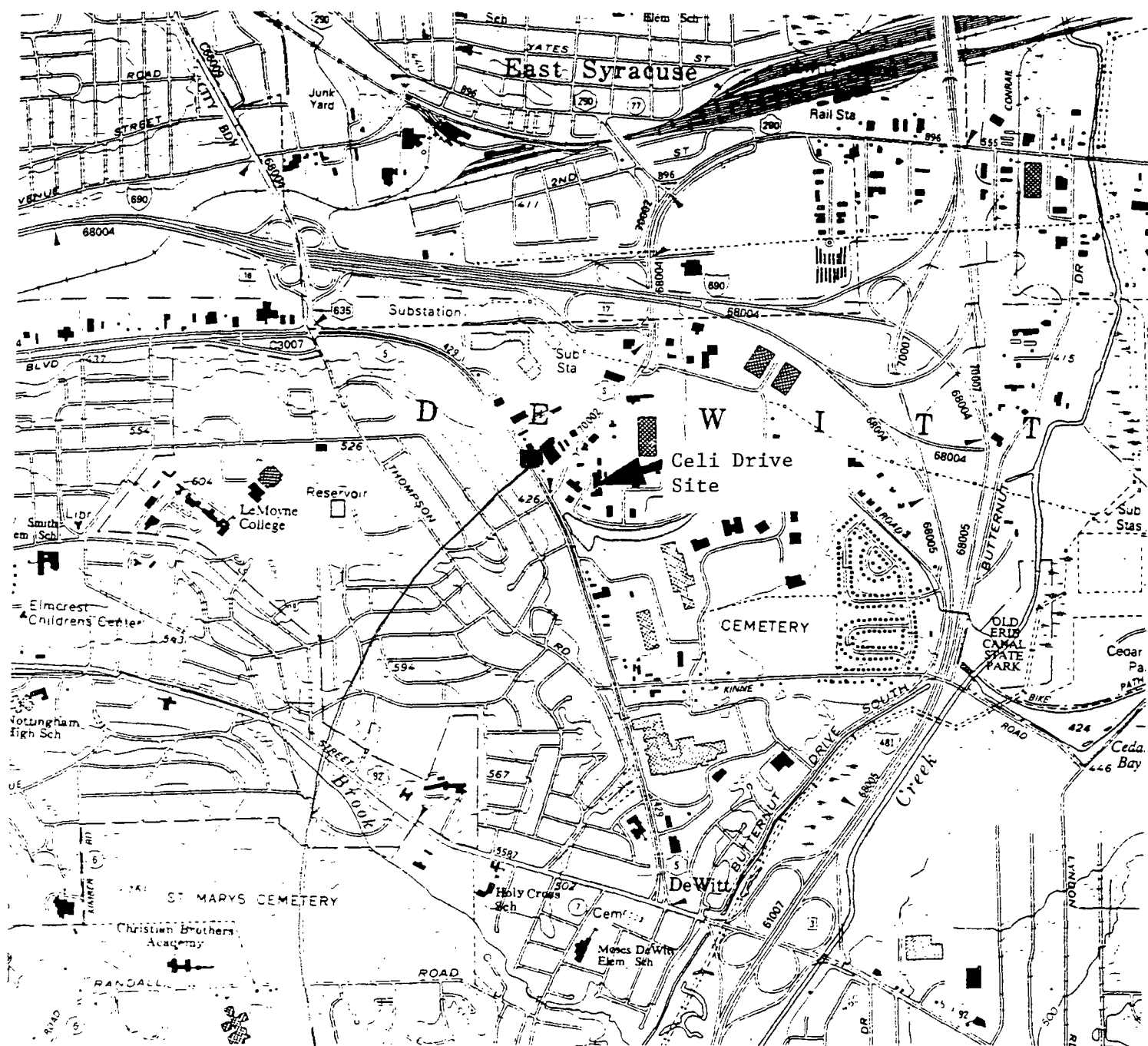
Doreen A. Simmons, Esq.
Hancock & Estabrook, LLP
1500 MONY Tower I
P.O. Box 4976
Syracuse, NY 13221-4976

EXHIBIT INDEX

INDEX TO EXHIBITS

Response of GSP to Joint Request dated October 10, 1996

EXHIBIT	ITEM
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4A-1	Plant lay out (Celi Drive Facility)
4B	Facility location map (Joy Road Facility)
6A	Representative hazardous waste manifests - Celi Drive Facility
6B	Representative hazardous waste manifest - Joy Road Facility
9A	Air Permit (Celi Drive Facility)
9B	Air Permit (Joy Road Facility)
9B-1	Consultant Report - (Joy Road Facility; August 1993)
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10A	Municipal sewage system (OCDDS) permit (Celi Drive Facility)
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13A	Administrative Orders (OCDDS)
13A-1	Representative Chart/NOVs



Bridge St.
Site

SITE LOCATION MAP

PREPARED FOR

GENERAL SUPER PLATING CO., INC.



ERM-Northeast

Environmental Resources Management
6786 Widewaters Parkway, DeWitt, NY

SCALE

1" = 800'

FIGURE

1

DATE

06/95

GENERAL SUPER PLATING PLANT LAY OUT

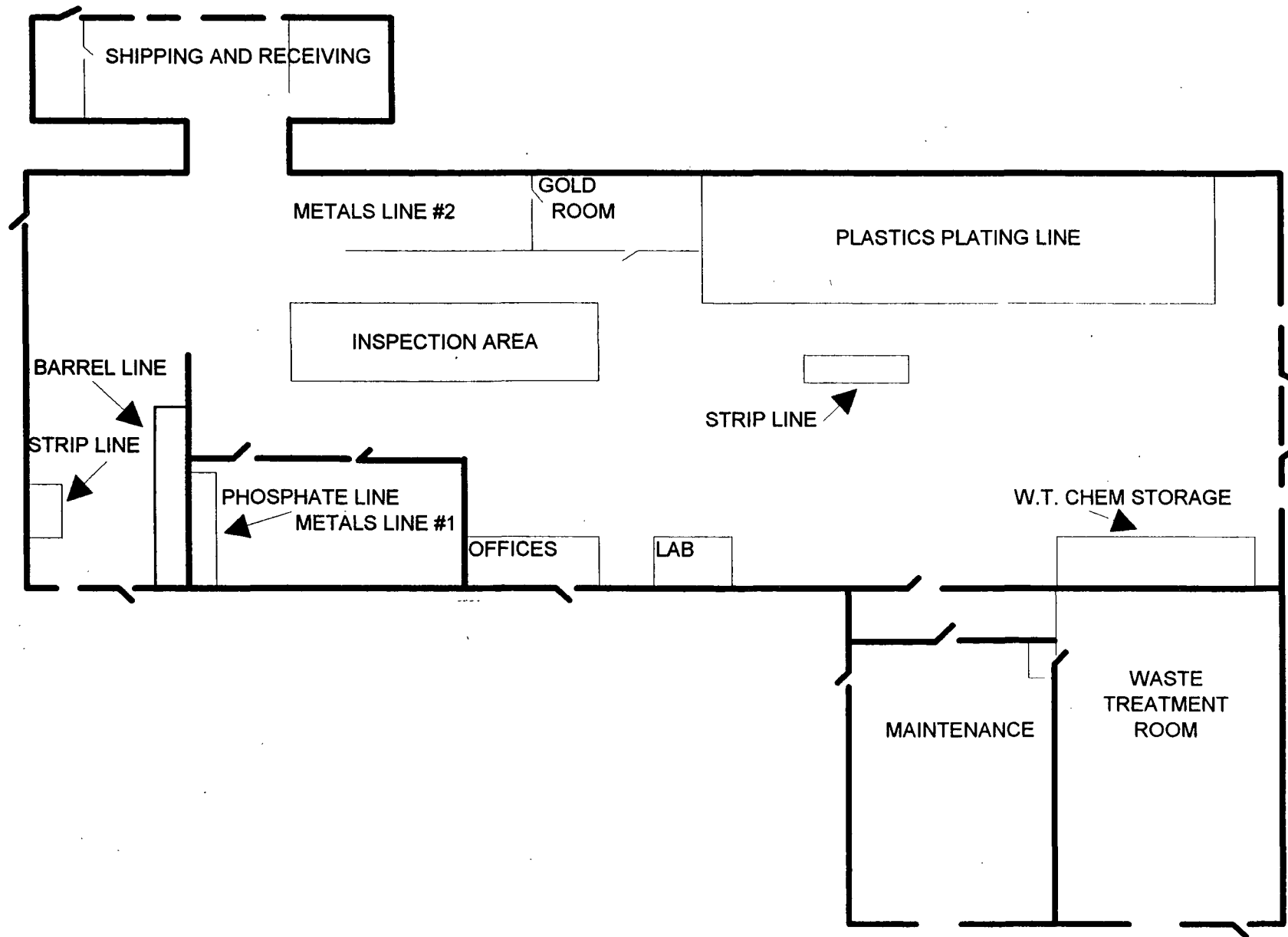


EXHIBIT 4B

FIGURE 1

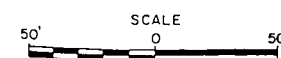


LEGEND

□ SUMP

GENERAL SUPER PLATING CO., INC.
JOY ROAD SHIELDING PLANT

GROUND-WATER RECOVERY SYSTEM



 BLASLAND & BOUCK
ENGINEERS, P.C.

MANHOLE

SUMP

GROUND-WATER RECOVERY SYSTEM (APPROX. LOCATION)

JOY

DRIVE

ELECTRICAL EQUIPMENT

INITIAL RECOVERY SYSTEM

CONC BLOCK BUILDING

NYS THRUWAY INTERCHANGE

EXHIBIT 6A



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Received
10/8/88
JW

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)
Form Approved. OMB No. 2050-0039 Expires 9-30-88

ER-SWM-51:REV. 10/86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address General Super Plating Company, Inc. 22 Celi Drive, B. Syracuse, New York 13057				A. State Manifest Document Number PAB 4847850			
4. Generator's Phone (315) 446-2264				B. State Gen. ID same			
5. Transporter 1 Company Name BES Environmental Specialists, Inc.		6. US EPA ID Number PA-AD-0-9-2-3-2-7-4-5		C. State Trans. ID PA-AH 102-7-31			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (717) 779-5316			
9. Designated Facility Name and Site Address WRC PROCESSING COMPANY (RECYCLING FACILITY) Walnut Lane, R.D. #5, Box 5553 Pottsville, PA 17901-9507				E. State Trans. ID PA-AH			
10. US EPA ID Number P-AD-9-8-1-0-3-8-2-2-7				F. Transporter's Phone ()			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt/Vol	
a. RO, HAZARDOUS WASTE, SOLID, N.O.S., ORM-E NA9189 (FOOD)				21 CF		21 Y F.O.O.G.	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)				K. Handling Codes for Wastes Listed Above			
Haz. Code Physical State		Haz. Code Physical State		T23/T50/T59			
a. T SL		c.		a. T18-DRYING			
b.		d.		b.			
15. Special Handling Instructions and Additional Information actual wt. 34,205 JA							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Michael D. Desso		Signature <i>Michael D. Desso</i>		Month Day Year 09/29/88			
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>John Adamiak</i>		Month Day Year 10/29/88			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Robert Lafferty		Signature <i>Robert Lafferty</i>		Month Day Year 09/29/88			

DIVISION OF HAZARDOUS SUBSTANCES REGULATION
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please print or type. Do not staple.

Form Approved: OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. 1405013277434		Manifest Document No. 1913915		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.					
3. Generator's Name and Mailing Address GENERAL SUPER PLATING 22 CELI DRIVE E. SYRACUSE, N.Y. 13057						A. State Manifest Document No. NY B 181939 5							
4. Generator's Phone (315) 446-2264						B. Generator's ID STATE							
5. Transporter 1 (Company Name) SOLVENTS & PETROLEUM SERVICE INC.				6. US EPA ID Number NY 0013277434		C. State Transporter's ID 128441							
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Phone (315) 454-4467							
9. Designated Facility Name and Site Address SOLVENTS & PETROLEUM SERVICE INC. 1405 BREWERTON RD. SYRACUSE, N.Y. 13208				10. US EPA ID Number NY 0013277434		E. State Facility's ID STATE							
						F. Facility's Phone (315) 454-4467							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. WASTE ORM-A WASTE 1,1,1-TRICHLOROETHANE UN283						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. EPA Waste No. EPA F-002 STATE F-002	
												EPA STATE	
J. Additional Descriptions for Materials listed Above a.						K. Handling Codes for Wastes Listed Above a.						EPA STATE	
												EPA STATE	
15. Special Handling Instructions and Additional Information												EPA STATE	
												EPA STATE	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name ROBERT E KEIL						Signature <i>[Signature]</i>				Mo. Day Year 11/01/89			
17. Transporter 1 (Acknowledgement of Receipt of Materials)													
Printed/Typed Name Carl B Holmstrom Jr						Signature <i>[Signature]</i>				Mo. Day Year 11/01/89			
18. Transporter 2 (Acknowledgement of Receipt of Materials)													
Printed/Typed Name						Signature				Mo. Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name						Signature				Mo. Day Year			

EXHIBIT 6B



ER-WM-51 REV. 1/91

PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD981102533		Manifest Document No. 02001		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address GENERAL SUPER PLATING CO. INC., 6000 JOY RD, E SYRACUSE NY 13057						A. State Manifest Document Number PAC 5825330							
4. Generator's Phone (315) 446-2264						B. State Gen. ID SAME							
5. Transporter 1 Company Name DES ENVIRONMENTAL SPECIALISTS						6. US EPA ID Number PA D 9 8 0 9 1 3 1 7 4 5							
7. Transporter 2 Company Name						C. State Trans. ID PA- A H 10 2 7 3							
8. US EPA ID Number						D. Transporter's Phone (717) 79-5316							
9. Designated Facility Name and Site Address WRC Processing Company(Recycling Facility) Walnut Lane, RD#5, Box 5553 Portsville, PA 17901						E. State Trans. ID PA-							
10. US EPA ID Number P A D 9 8 1 0 3 8 2 2 7						F. Transporter's Phone ()							
G. State Facility's ID						H. Facility's Phone (717) 622-4747							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. NON-HAZARDOUS WASTE. SOLID, FILTER CAKE BAG						N/A N/A		000003		1		N/A	
b. NO. HAZARDOUS WASTE, SOLID, N.O.S., ORM-E, NA9139 (F006)						003 BA		000003		Y		F006	
c.													
d.													
J. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State						K. Handling Codes for Wastes Listed Above							
a. THIS MATERIAL IS NOT A HAZARDOUS WASTE ACCORDING TO PA LAW.						c.							
b. <input type="checkbox"/> SL						d. T23/T59/T50 b.T18 Drying							
15. Special Handling Instructions and Additional Information WTS HANDLING CODE = X EMERGENCY CONTACT / (315) 446-2264 ON-DEMAND 24 HOUR EMERGENCY RESPONSE 1-800-424-9300													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford													
Printed/Typed Name ARLENE BOURGHER						Signature <i>[Signature]</i>						MONTH DAY YEAR 10 2 92	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name THOMAS J. GARDNER						Signature <i>[Signature]</i>						MONTH DAY YEAR 10 2 92	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name VINCENT S. LUTTI						Signature <i>[Signature]</i>						MONTH DAY YEAR 10 2 92	
19. Discrepancy Indication Space 5 INC. (CONTINGENT) ACTUAL WEIGHT 10,899 LBS FOUR REELS 18. SAME TRANSPORTER - 2ND DRIVER													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name RANDY W. YAK						Signature <i>[Signature]</i>						MONTH DAY YEAR 10 2 92	

EXHIBIT 9A

OP LOCATION FACILITY EMISSION POINT
 221226000212600011

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
 WHITE - ORIGINAL
 GREEN - DIVISION OF AIR
 WHITE - REGIONAL OFFICE
 WHITE - FIELD REP.
 YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER / FIRM GENERAL SUPER PLATING CO. INC.				9 NAME OF AUTHORIZED AGENT				10 TELEPHONE				19 FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM) GENERAL SUPER PLATING CO. Inc.							
2 NUMBER AND STREET ADDRESS 22 CELI DRIVE				11 NUMBER AND STREET ADDRESS				20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 CELI DRIVE				22 ZIP 13057							
3 CITY - TOWN - VILLAGE EAST SYRACUSE		4 STATE NY		5 ZIP 13057		12 CITY - TOWN - VILLAGE		13 STATE		14 ZIP		21 CITY - TOWN - VILLAGE EAST SYRACUSE		24 FLOOR NAME OR NUMBER FIRST					
8 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER				15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION				16 N.Y.S. P.E. OR ARCHITECT LICENSE NO.				17 TELEPHONE							
7 NAME & TITLE OF OWNERS REPRESENTATIVE				8 TELEPHONE (315) 446-2264				18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT				25 START UP DATE 02/88				26 DRAWING NUMBERS OF PLANS SUBMITTED 1 D			
A <input type="checkbox"/> NEW SOURCE				B <input type="checkbox"/> MODIFICATION				27 PERMIT TO CONSTRUCT				28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING SOURCE B <input checked="" type="checkbox"/> MODIFICATION							

29 EMISSION POINT ID 1	30 GROUND ELEVATION (FT) 400	31 HEIGHT ABOVE STRUCTURES (FT) 5	32 STACK HEIGHT (FT) 25	33 INSIDE DIMENSIONS (IN) 36	34 EXIT TEMP (°F) 70	35 EXIT VELOCITY (FT/SEC) 32.2	36 EXIT FLOW RATE (ACFM) 13649	37 SOURCE CODE 1309	38 HRS / DAY 24	39 DAYS / YR 250	40 % OPERATION BY SEASON Winter Spring Summer Fall 2 5 2 5 2 5 2 5			
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41 DESCRIBE PROCESS OR UNIT Metals Plating Room	42	43	44	45	46	47
	48	49	50	51	52	53
	41 Pick up Points					

EMISION CONTROL EQUIPMENT ID 99	CONTROL TYPE 99	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR /	USEFUL LIFE
42	43	44	45	46	47
48	49	50	51	52	53

42 CALCULATIONS

(SHEET 3 OF 3)

S	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFIC'Y	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)				
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE		
E	Sodium dodecylbenzene Sulfonate	25155-30-0	56	57	58	0.167	2	6	0.167	63	10-3	65	0.167x10-3	66	1.90	0	1.90
C	Dipentene	00133-86-3	69	70	71	83.3	3	6	83.3	78	10-6	80	83.3x10-6	81	0.500	0	0.5
T	Calcium Silicate	01344-95-2	84	85	86	83.3	3	6	83.3	93	10-6	95	83.3x10-6	96	0.500	0	0.5
I	Sodium M-nitrobenzene sulfonate	00127-68-4	99	100	101	4.17	2	6	4.17	108	10-3	110	4.17x10-3	111	25.0	0	25
N	Nitric Acid	07697-37-2	114	115	116	4.50	2	6	4.5	123	10-3	125	4.50x10-3	126	27.0	0	27
F			129	130	131					138		139		140			

SOLID FUEL TONS / YR		% S	LIQUID FUEL THOUSANDS OF GALLONS/YR		% S	GAS THOUSANDS OF CFYR		BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144	145	146	147	148	149	150	151	152	153	154
		34							212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative
 THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

156 LOCATION CODE 221226000212600011	157 FACILITY ID. NO. 41129706773471	158 U.T.M. (E)	159 U.T.M. (N)	160 SIC NUMBER 2811	161 DATE APPL. RECEIVED 1-1-88	162 DATE APPL. REVIEWED 1-1-88	163 REVIEWED BY M. J. J. J.
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PERMIT TO CONSTRUCT			
164 DATE ISSUED 1/1	165 EXPIRATION DATE 1/1	166 SIGNATURE OF APPROVAL [Signature]	167 FEE

CERTIFICATE TO OPERATE			
169 DATE ISSUED 1/1/88	170 EXPIRATION DATE 11/1/88	171 SIGNATURE OF APPROVAL [Signature]	172 FEE

174 SPECIAL CONDITIONS	
1	2
3	4
5	6

OP LOCATION FACILITY EMISSION UNIT
031260002120000017

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

YES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP.
YELLOW - APPLICANT

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 78-11-12
BEFORE ANSWERING
ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER / FIRM GENERAL SUPER PLATING CO. INC.	9 NAME OF AUTHORIZED AGENT	10 TELEPHONE	19 FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM) GENERAL SUPER PLATING CO. INC.		
2 NUMBER AND STREET ADDRESS 22 CELI DRIVE	11 NUMBER AND STREET ADDRESS		20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 CELI DRIVE		
3 CITY - TOWN - VILLAGE EAST SYRACUSE	4 STATE NY	5 ZIP 13057	21 CITY - TOWN - VILLAGE EAST SYRACUSE	22 ZIP 13057	
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC. INST. J <input type="checkbox"/> OTHER	E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL	15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION	16 N.Y.S. P.E. OR ARCHITECT LICENSE NO.	17 TELEPHONE MAIN	23 BUILDING NAME OR NUMBER FIRST
7 NAME & TITLE OF OWNERS REPRESENTATIVE	8 TELEPHONE (315)	18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT	25 START UP DATE 4/8/82	26 DRAWING NUMBERS OF PLANS SUBMITTED 1D	
	446-2264		27 PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION	28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING SOURCE B <input checked="" type="checkbox"/> MODIFICATION	

29 EMISSION POINT ID 001	30 GROUND ELEVATION (FT.) 400	31 HEIGHT ABOVE STRUCTURES (FT.) 5	32 STACK HEIGHT (FT.) 25	33 INSIDE DIMENSIONS (IN) 36	34 EXIT TEMP. (°F) 70	35 EXIT VELOCITY (FT./SEC.) 32.2	36 EXIT FLOW RATE (ACFM) 13649	37 SOURCE CODE 1309	38 HRS / DAY 24	39 DAYS / YR 250	40 % OPERATION BY SEASON Winter Spring Summer Fall 25 25 25 25
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41 DESCRIBE PROCESS OR UNIT Metals Plating Room	42	43	44	45	46	47	48	49	50	51	52	53

EMISION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43	44	45	46	47
48	49	50	51	52	53

CALCULATIONS

(SHEET 2 OF 3)

S	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS			% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)			
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.		PERMISSIBLE	ERP	ACTUAL	ACTUAL	10 ⁴	PERMISSIBLE
E	54.	55.	56	57.	58	59	60	61	62.	63	64.	65.	66.	67.	68
C		Sodium Cyanide, Mist	0.0143-33-9	B	11.5	2	6		11.5		11.5x10 ⁻³	11.5x10 ⁻³	69	0	69
T	69.	70	71	72.	73.	74.	75	76	77.	78.	79.	80.	81.	82.	83
I		Hydrochloric Acid, Mist	07647-01-0	B	35.8	2	6		35.8		35.8x10 ⁻³	35.8x10 ⁻³	215	0	215
O	84.	85	86.	87.	88.	89.	90	91.	92	93.	94.	95	96.	97.	98
N		Sodium Hydroxide	01310-73-2	B	26.8	2	6		26.8		26.8x10 ⁻³	26.8x10 ⁻³	161	0	161
	99.	100.	101:	102.	103.	104.	105.	106.	107.	108.	109.	110.	111	112.	113
		Sodium Metasilicate 5 H ₂ O	0.6834-92-0	B	3.3	2	6		13.3		13.3x10 ⁻³	13.3x10 ⁻³	79.8	0	79.8
	114	115.	116	117.	118	119.	120.	121.	122.	123	124.	125.	126.	127.	128
		Sodium Carbonate	00497-19-8	B	5.17	2	6		5.17		5.17x10 ⁻³	5.17x10 ⁻³	31.0	0	31.0
F	129	130.	131.	132	133.	134.	135.	136	137.	138.	139.	140.	141.	142.	143
		Tetrasodium Pyrophosphate	07722-88-5	B	3.75	2	6		3.75		10-3	3.75x10 ⁻³	22.5	0	22.5

SOLID FUEL TONS / YR	% S	LIQUID FUEL THOUSANDS OF GALLONS/YR	% S	GAS THOUSANDS OF CF/YR	BTU/CF	APPLICABLE RULE	APPLICABLE RULE			
144	145	146	147	148	149	150	151	152	153	154

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT

DATE

156 LOCATION CODE	157 FACILITY ID. NO.	158 U.T.M. (E)	159 U.T.M. (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY:
PERMIT TO CONSTRUCT							
164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE	168 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE			
CERTIFICATE TO OPERATE							
169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE	173 1. <input type="checkbox"/> INSPECTED BY _____ DATE _____ 2. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM 3. <input type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT. 4. <input type="checkbox"/> APPLICATION FOR C.O. DENIED _____ DATE _____ INITIALED _____			
174 SPECIAL CONDITIONS:							

OP LOCATION FACILITY EMISSION POINT
03126000212400011

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP.
YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1. NAME OF OWNER / FIRM GENERAL SUPER PLATING CO., INC.			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM) GENERAL SUPER PLATING CO., INC.		
2. NUMBER AND STREET ADDRESS 22 CELI DRIVE			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 CELI DRIVE			22. ZIP 13057		
3. CITY - TOWN - VILLAGE EAST SYRACUSE			4. STATE N.Y.			5. ZIP 13057			12. CITY - TOWN - VILLAGE EAST SYRACUSE		
13. STATE N.Y.			14. ZIP 13057			23. BUILDING NAME OR NUMBER MAIN			24. FLOOR NAME OR NUMBER FIRST		
6. OWNER CLASSIFICATION E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION E. KAWRYGA			16. N.Y.S. P.E. OR ARCHITECT LICENSE NO. 46165			17. TELEPHONE 437-9229		
7. NAME & TITLE OF OWNERS REPRESENTATIVE (315) 446-2264			18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25. START UP DATE 06/82			26. DRAWING NUMBERS OF PLANS SUBMITTED 1D		
27. PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input checked="" type="checkbox"/> MODIFICATION			28. CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING SOURCE B <input checked="" type="checkbox"/> MODIFICATION								

29. EMISSION POINT ID	30. GROUND ELEVATION (FT.)	31. HEIGHT ABOVE STRUCTURES (FT.)	32. STACK HEIGHT (FT.)	33. INSIDE DIMENSIONS (IN)	34. EXIT TEMP (°F)	35. EXIT VELOCITY (FT / SEC)	36. EXIT FLOW RATE (ACFM)	37. SOURCE CODE	38. HRS / DAY	39. DAYS / YR	40. % OPERATION BY SEASON
1	400	5	25	36	70	32.2	13649	1309	24	250	Winter 2 5 2 5 2 5 2 5

1. Metals Plating Room		2. 11 Pick-up Points	
3. DESCRIBE PROCESS OR UNIT		4. 1	
5. 1		6. 1	
7. 1		8. 1	

EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	99	6	45.	46. /	47.
48.	49	50	51	52 /	53.

CALCULATIONS

See attached computer point out and forms 76-19-4 for individual calculations. Totals on this form are sums of individual chemicals from form 76-19-4(9/81) 11 SHORT FORMS,

% chem-% of chemical in mixture
SG = Specific gravity
U/W = Usage per week
GR = Gassing Rate

MHE=Maximum hourly emissions
MYE=Maximum yearly emissions

(SHEET 1 OF 3)

S	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFIC. CY	HOURLY EMISSIONS (LBS/Hr)		ANNUAL EMISSIONS (LBS/YR)			
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10% PERMISSIBLE		
E	54	Potassium Hydroxide	55. 0 1 3 1 0 - 5 8 - 3	56.	57.	58. B	59. 2.30	60. 2	61. 6	62. 2.30	63.	64. -3	65. 10-3	66.	67. 13.8	68. 138
C	69	Phosphoric Acid	70. 0 7 6 6 4 - 3 8 - 2	71.	72.	73. B	74. 0.250	75. 2	76. 6	77. 0.25	78.	79. 0.250x10	80. 10-3	81. 1.50	82. 0	83. 1.5
T	84	Copper as Cu(II)	85. 0 7 4 4 0 - 5 0 - 8	86.	87.	88. B	89. 41.7	90. 3	91. 6	92. 41.7	93.	94. -6	95. 10-6	96.	97. 0.2500	98. 0.25
I	99	Nickel Sulfate	100. 0 7 7 8 6 - 8 1 - 4	101.	102.	103. B	104. 1.03	105. 2	106. 6	107. 1.03	108.	109. -3	110. -3	111.	112. 0.617	113. 6.12
N	114	Nickel Chloride	115. 0 7 7 1 8 - 5 4 - 9	116.	117.	118. B	119. 0.247	120. 2	121. 6	122. 0.247	123.	124. 0.247 x	125. 10-3	126. 0.247x	127. 1.48	128. 1.48
F	129	Boric Acid	130. 1 0 0 4 3 - 3 5 - 3	131.	132.	133. B	134. 83.3	135. 3	136. 6	137. 83.3	138.	139. -6	140. 10-6	141. 83.3x	142. 0.500	143. 0.5

SOLID FUEL TONS / YR		% S	LIQUID FUEL THOUSANDS OF GALLONS/YR		% S	GAS THOUSANDS OF CF/YR		BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144	145	146	147	148	149	150	151	152	153.	154.
									212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT
156. DATE

156. LOCATION CODE 3126000212412976773471	157. FACILITY ID. NO.	158. U.T.M. (E)	159. U.T.M. (N)	160. SIC NUMBER	161. DATE APPL. RECEIVED	162. DATE APPL. REVIEWED	163. REVIEWED BY: M. M. R. E. K.
--	-----------------------	-----------------	-----------------	-----------------	--------------------------	--------------------------	-------------------------------------

PERMIT TO CONSTRUCT			
164. DATE ISSUED 1/1	165. EXPIRATION DATE 1/1	166. SIGNATURE OF APPROVAL [Signature]	167. FEE 50

CERTIFICATE TO OPERATE			
169. DATE ISSUED 5/1/90	170. EXPIRATION DATE 11/1/94	171. SIGNATURE OF APPROVAL [Signature]	172. FEE 50

174. SPECIAL CONDITIONS:	
1.	2.
3.	4.
5.	6.
7.	8.

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WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

LOCATION	FACILITY	EMISSION POINT
2608	212	DEG-12 I

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 76-11-12
BEFORE ANSWERING
ANY QUESTION

1 NAME OF OWNER/FIRM General Super Plating Company		9 NAME OF AUTHORIZED AGENT		10 TELEPHONE		17 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) General Super Plating Company	
2 NUMBER AND STREET ADDRESS 22 Celi Drive		11 NUMBER AND STREET ADDRESS		12 CITY - TOWN - VILLAGE East Syracuse, N.Y.		20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 Celi Drive	
3 CITY - TOWN - VILLAGE East Syracuse		4 STATE NY		5 ZIP 13057		21 CITY - TOWN - VILLAGE East Syracuse, N.Y.	
6 OWNER CLASSIFICATION <input type="checkbox"/> A COMMERCIAL <input type="checkbox"/> C UTILITY <input type="checkbox"/> F MUNICIPAL <input type="checkbox"/> I RESIDENTIAL <input checked="" type="checkbox"/> B INDUSTRIAL <input type="checkbox"/> D FEDERAL <input type="checkbox"/> G EDUC. INST <input type="checkbox"/> J OTHER		13 STATE		14 ZIP		22 ZIP 13057	
7 NAME & TITLE OF OWNERS REPRESENTATIVE JAYNE SWIFT		8 TELEPHONE 315-446-2264		15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION		16 N.Y.S. P.E. OR ARCHITECT LICENSE NO.	
18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT		19 SIGNATURE OF AUTHORIZED AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT		23 BUILDING NAME OR NUMBER MAIN		24 FLOOR NAME OR NUMBER 1	
25 START UP DATE 06/87		26 DRAWING NUMBERS OF PLANS SUBMITTED		27 PERMIT TO CONSTRUCT <input type="checkbox"/> A NEW SOURCE <input type="checkbox"/> B MODIFICATION		28 CERTIFICATE TO OPERATE <input type="checkbox"/> A NEW SOURCE <input checked="" type="checkbox"/> C EXISTING SOURCE	

29 EMISSION POINT ID.	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON
DEG12	400	4	25	8	70	57.4	1200	1203	24	350	Winter Spring Summer Fall

31	1	VAPOR DEGREASER	2
DESCRIBE	3		4
PROCESS	5		6
OR UNIT	7		8

EMISSION CONTROL EQUIPMENT I D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE	DEPARTMENT OF ENVIRONMENTAL CONSERVATION REGION 7 DIVISION OF REGULATORY AFFAIRS
42	43	44	45	46 /	47	
48	49	50	51	52 /	53	

CALCULATIONS

see Attached 76-19-4 Form

CONTAMINANT			INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS			% CONTROL EFFIC'Y	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
NAME	CAS NUMBER					ACTUAL	UNIT	PERMISSIBLE		ERP	ACTUAL	ACTUAL	PERMISSIBLE
54 55 56 1,1 Trichloroethane	55 70 71 00071-55-6	56 71 72 B	57 58 59 B	60 61 62 1.23	63 64 65 0	66 67 68 1.23	69 70 71 0	72 73 74 1.23	75 76 77 0	78 79 80 1.23	81 82 83 5228	84 85 86 0	87 88 89 5228
84 85 86 TERT Butyl Alcohol	85 75 86 00075-65-0	86 87 88 B	87 88 89 B	90 91 92 0.02	93 94 95 0	96 97 98 0.02	99 100 101 0	102 103 104 0.02	105 106 107 0	108 109 110 0.02	111 112 113 82	114 115 116 0	117 118 119 82
100 101 102 Butylene Oxide	100 96 101 00146-88-7	101 102 103 B	102 103 104 B	105 106 107 6	108 109 110 2	111 112 113 6	114 115 116 2	117 118 119 6	120 121 122 0	123 124 125 0.06	126 127 128 0.06	129 130 131 27	132 133 134 0
99 100 101 Dimethoxymethane	100 99 100 00149-87-5	101 102 103 B	102 103 104 B	105 106 107 24	108 109 110 2	111 112 113 24	114 115 116 2	117 118 119 24	120 121 122 0	123 124 125 0.24	126 127 128 0.24	129 130 131 103	132 133 134 0
114 115 116 -	115 -	116 -	117 -	118 -	119 -	120 -	121 -	122 -	123 -	124 -	125 -	126 -	127 -
129 130 131 -	130 -	131 -	132 -	133 -	134 -	135 -	136 -	137 -	138 -	139 -	140 -	141 -	142 -
142 143 144 -	143 -	144 -	145 -	146 -	147 -	148 -	149 -	150 -	151 -	152 -	153 -	154 -	155 -

SOLID FUEL			LIQUID FUEL			GAS			APPLICABLE RULE	APPLICABLE RULE
TYPE	TONS/YR	% S	TYPE	THOUSANDS OF GALLONS/YR	% S	TYPE	THOUSANDS OF CF/YR	BTU/CF		
144	145	146	147	148	149	150	151	152	153	154

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

155. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT	DATE
<i>James E. Smith</i>	4-8-91

156 LOCATION CODE	157 FACILITY ID. NO.	158 U.T.M. (E)	159 U.T.M. (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY:
313600	0312	41397	6773	471	7/72	8/1/72	Spenn, f.t.

PERMIT TO CONSTRUCT				169
164 DATE ISSUED / /	165 EXPIRATION DATE / /	166 SIGNATURE OF APPROVAL	167 FEE	1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2 THIS IS NOT A CERTIFICATE TO OPERATE 3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

CERTIFICATE TO OPERATE			
169 DATE ISSUED 7/10/92	170 EXPIRATION DATE 7/31/97	171 SIGNATURE OF APPROVAL <i>[Signature]</i>	172 FEE \$

173

1 ☐ INSPECTED BY _____ DATE _____

2 ☐ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM

3 ☒ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT

4 ☐ APPLICATION FOR C.O. DENIED _____

OP LOCATION FACILITY EMISSION POINT
 3 1 2 6 0 0 2 1 2 4 0 0 1 0 1

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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READ INSTRUCTIONS
 CONTAINED IN
 FORM 76-11-12
 BEFORE ANSWERING
 ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM General Super Plating Company, Inc.			9 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) General Super Plating Company, Inc.														
2 NUMBER AND STREET ADDRESS 22 Cell Drive			11 NUMBER AND STREET ADDRESS			12 CITY-TOWN-VILLAGE East Syracuse			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 Cell Drive														
3 CITY-TOWN-VILLAGE East Syracuse			4 STATE NY			5 ZIP 13057			21 CITY-TOWN-VILLAGE East Syracuse														
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION E. Kawryga			16 NYS P.E. OR ARCHITECT LICENSE NO. 46165			17 TELEPHONE 315-437-9220														
7 NAME & TITLE OF OWNERS REPRESENTATIVE H. Demingo, ENV. COORD.			8 TELEPHONE 315-463-0724			18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25 START UP DATE 04 / 89														
									26 DRAWING NUMBERS OF PLANS SUBMITTED 1st														
									27 PERMIT TO CONSTRUCT A <input checked="" type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION														
									28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING B <input type="checkbox"/> MODIFICATION														
29 EMISSION POINT ID 1		30 GROUND ELEVATION (FT) 400		31 HEIGHT ABOVE STRUCTURES (FT) 25		32 STACK HEIGHT (FT) 25		33 INSIDE DIMENSIONS (IN) 12		34 EXIT TEMP (°F) 70		35 EXIT VELOCITY (F/SEC) 40		36 EXIT FLOW RATE (ACFM) 1800		37 SOURCE CODE 1308		38 HRS/DAY 24		39 DAYS/YR 250		40 % OPERATION BY SEASON Winter Spring Summer Fall 2.5 2.5 2.5 2.5	

41 DESCRIBE PROCESS OR UNIT Gold Plating Line - 4 pick up points		42		43		44		45		46		47		48		49		50		51		52		53	
---	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--

EMISSION CONTROL EQUIPMENT ID		CONTROL TYPE		MANUFACTURER'S NAME AND MODEL NUMBER		DISPOSAL METHOD		DATE INSTALLED MONTH / YEAR		USEFUL LIFE	
42		43		44		45		46		47	
48		49		50		51		52		53	

CALCULATIONS

Four 76-19-4 Formas

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS						% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	UNIT	PERMISSIBLE	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
54	Sodium Hydroxide	01310-73-2	55	B	0.003	1	6	0.003	0.003	0.003	18	0	18	0	18	0
69	Sodium Metasilicate	06834-92-0	70	B	0.0012	1	6	1.2	0.0012	0.0012	7.2	0	7.2	0	7.2	0
84	Sodium Carbonate	00497-19-8	85	B	0.005	1	6	0.5	0.005	0.005	3	0	3	0	3	0
99	Sulphuric Acid	07664-93-9	100	B	0.038	1	6	0.038	0.038	0.038	228	0	228	0	228	0
114	Gold Potassium Cyanide	13967-50-5	115	B	0.001	1	6	0.1	0.001	0.001	0.6	0	0.6	0	0.6	0
129	Potassium Cyanide	00151-50-8	130	B	0.006	1	6	0.6	0.006	0.006	3.6	0	3.6	0	3.6	0

SOLID FUEL TONS/YR		% S		LIQUID FUEL THOUSANDS OF GALLONS/YR		% S		GAS THOUSANDS OF CF/YR		BTU/CF		APPLICABLE RULE		APPLICABLE RULE			
144		145		146		147		148		149		150		151		152	
153		154		155		156		157		158		159		160		161	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative
 THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED
 SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

162 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT
 DATE 11/2/89

156 LOCATION CODE 312600		157 FACILITY ID. NO. 0212		158 UTM (E) 41297		159 UTM (N) 677		160 SIC NUMBER 3477		161 DATE APPL. RECEIVED 1/1/89		162 DATE APPL. REVIEWED 08/01/89		163 REVIEWED BY M. M. M. M.	
PERMIT TO CONSTRUCT															
164 DATE ISSUED 8/1/89		165 EXPIRATION DATE 8/1/90		166 SIGNATURE OF APPROVAL H. Demingo		167 FEE 50		168 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 1 THIS IS NOT A CERTIFICATE TO OPERATE 2 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE							

CERTIFICATE TO OPERATE							
169 DATE ISSUED 11/3/89		170 EXPIRATION DATE 11/01/94		171 SIGNATURE OF APPROVAL H. Demingo		172 FEE -	
173							
1. <input checked="" type="checkbox"/> INSPECTED BY DATE							
2. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM							
3. <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT							
4. <input type="checkbox"/> APPLICATION FOR C.O. DENIED DATE INITIALED							
174 SPECIAL CONDITIONS:							
1							
2							
3							
4							
5							
6							
7							

OP LOCATION FACILITY EMISSION POINT
 1 31 26 00 02 1 20 00 11 1

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 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM General Super Plating Company, Inc.			9 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) General Super Plating Company, Inc.		
2 NUMBER AND STREET ADDRESS 22 Cell Drive			11 NUMBER AND STREET ADDRESS			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 Cell Drive			22 ZIP 13057		
3 CITY - TOWN - VILLAGE East Syracuse			4 STATE NY			5 ZIP 13057			21 CITY - TOWN - VILLAGE East Syracuse		
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION B. Kavryga			16 N.Y.S. P.E. OR ARCHITECT LICENSE NO. 46165			17 TELEPHONE 315-437-9229		
7 NAME & TITLE OF OWNERS REPRESENTATIVE H. Deyan, ENV. COORD.			8 TELEPHONE 315-463-6724			18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25 START UP DATE 04 / 30		
									26 DRAWING NUMBERS OF PLANS SUBMITTED 10		
									27 PERMIT TO CONSTRUCT A <input checked="" type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION		
									28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING SOURCE B <input type="checkbox"/> MODIFICATION		

29 EMISSION POINT ID	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON Winter Spring Summer Fall			
01011	400	25	4	22	70	46.4	7236	1308	24	250	25	25	25	25

41 DESCRIBE PROCESS OR UNIT	1	Chrome Plating line - 3 pick up points	
	2		
	3		
	4		
	5		
	6		
	7		

42 EMISSION CONTROL EQUIPMENT I.D.	43 CONTROL TYPE	44 MANUFACTURER'S NAME AND MODEL NUMBER	45 DISPOSAL METHOD	46 DATE INSTALLED MONTH / YEAR	47 USEFUL LIFE
11	13	Viron International VBS-66		04 / 89	25
48	49	50	51	52	53

CALCULATIONS

Three 8 76-19-4 Forms

S E C T I O N F	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS			% CONTROL EFFIC- CY	HOURLY EMISSIONS (LBS/Hr)		ANNUAL EMISSIONS (LBS/YR)			
	NAME	CAS NUMBER				ACTUAL	UNIT	PERMISSIBLE		ERP	ACTUAL	ACTUAL	PERMISSIBLE		
54	Sodium Hydroxide	0131073-2	56	57	58	59	60	61	62	63	64	65	66	67	68
					B	.004	1	6	0.04	85	.024	.004	24	0	24
69	Sodium Metasilicate	0683492-0	71	72	73	74	75	76	77	78	79	80	81	82	83
					B	.002	1	6	0.002	35	.012	.002	12	0	12
84	Sodium Carbonate	0049719-8	86	87	88	89	90	91	92	93	94	95	96	97	98
					B	.001	1	6	0.001	85	.007	.001	6	0	6
99	Hydrochloric Acid	0764701-0	101	102	103	104	105	106	107	108	109	110	111	112	113
					E	0.3 0.003	2	6	0.3 0.003	85	0.002 0.014	0.003	1.8	0	1.8
114	Chromic Acid	1111574-5	116	117	118	119	120	121	122	123	124	125	126	127	128
					B	.031	1	6	0.031	85	.204	.031	186	0	186
129	Fluoride	16984-48-8	131	132	133	134	135	136	137	138	139	140	141	142	143
					A	.007	1	6	0.007	35	.044	.007	42	0	42

SOLID FUEL TONS/YR		%S	LIQUID FUEL THOUSANDS OF GALLONS/YR		%S	GAS THOUSANDS OF CF/YR		BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144	145	146	147	148	149	150	151	152	153	154
									212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative
 THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED
 SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

156 LOCATION CODE	157 FACILITY ID NO	158 UTM (E)	159 UTM (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY
312600	0212	4129	7677	3471	1/1	06/189	M. M. M. M.

PERMIT TO CONSTRUCT			
164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE
8/1/89	8/1/90	[Signature]	50

CERTIFICATE TO OPERATE			
169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE
11/3/89	11/01/94	[Signature]	

174 SPECIAL CONDITIONS:	
1	2
3	4
5	6

LOCATION FACILITY EMISSION POINT
3126000212103131

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YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

A ADD
C CHANGE
D DELETE
READ INSTRUCTIONS
CONTAINED IN
FORM 76-11-12
BEFORE ANSWERING
ANY QUESTION

1 NAME OF OWNER/FIRM General Super Plating Company Inc			9 NAME OF AUTHORIZED AGENT E. Kanyaga			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) General Super Plating Company Inc		
2 NUMBER AND STREET ADDRESS 22 Cell Drive			11 NUMBER AND STREET ADDRESS 22 Cell Drive			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 22 Cell Drive		
3 CITY - TOWN - VILLAGE East Syracuse		4 STATE NY	5 ZIP 13057		12 CITY - TOWN - VILLAGE East Syracuse		13 STATE NY	22 ZIP 13057
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION E. Kanyaga			16 N.Y.S. P.E. OR ARCHITECT LICENSE NO. 46165		
7 NAME & TITLE OF OWNERS REPRESENTATIVE A. Desso Env Coordinator			8 TELEPHONE 315-463-6724			17 TELEPHONE 315-463-6724		
29 EMISSION POINT ID. 01313			30 GROUND ELEVATION (FT) 400			31 HEIGHT ABOVE STRUCTURES (FT) -5		
32 STACK HEIGHT (FT) 20			33 INSIDE DIMENSIONS (IN) 8			34 EXIT TEMP (°F) 500		
35 EXIT VELOCITY (FT/SEC) 21.6			36 EXIT FLOW RATE (ACFM) 453			37 SOURCE CODE 2211		
38 HRS/DAY 8			39 DAYS/YR 250			40 % OPERATION BY SEASON Winter: 25 Spring: 25 Summer: 25 Fall: 25		

41 DESCRIBE PROCESS OR UNIT 1 Sludge Drier - Metal 2 Hydroxide Sludge 3 Recycled - Off-Site	
--	--

42 EMISSION CONTROL EQUIPMENT ID 13	43 CONTROL TYPE 06	44 MANUFACTURER'S NAME AND MODEL NUMBER Fenton Cyclone Model DC 10	45 DISPOSAL METHOD 9	46 DATE INSTALLED MONTH / YEAR 07 / 89	47 USEFUL LIFE 25
--	-----------------------	---	-------------------------	---	----------------------

CALCULATIONS

16 lbs of sludge collected during one week run of 40 hrs

Mfg. rated cyclone eff. 85%

16 lbs/40 hrs = 0.4 lbs/hr

0.4 lbs/hr x 15 (ineff) = 0.6 lbs/hr

250 CFM at 70°F = 250 x 1.245 = 311.25 CFM

311.25 CFM x 0.6 lbs/hr = 186.75 lbs/hr

CONTAMINANT		INPUT OR PRODUCTION		UNIT		EMISSIONS		PERMISSIBLE		HOURLY EMISSIONS (LBS/Hr)		ANNUAL EMISSIONS (LBS/YR)	
NAME	CAS NUMBER	UNIT	UNIT	ACTUAL	UNIT	ACTUAL	UNIT	ACTUAL	UNIT	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
Particulates	NY 075-00-0	56	57	58	59	60	61	62	63	64	65	66	67
						0.06	1	0.06	85	0.4	0.06	120	120

144 TYPE SOLID FUEL	145 TONS/YR	146 % S	147 TYPE LIQUID FUEL	148 THOUSANDS OF GALLONS/YR	149 % S	150 TYPE GAS	151 THOUSANDS OF CF/YR	152 BTU/CF	153 APPLICABLE RULE 212	154 APPLICABLE RULE
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Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

156 LOCATION CODE 3126000212103131	157 FACILITY ID. NO. 02112	158 U.T.M. (E) 41297677	159 U.T.M. (N) 3471	160 SIC NUMBER 2811	161 DATE APPL. RECEIVED 08/01/89	162 DATE APPL. REVIEWED 08/01/89	163 REVIEWED BY [Signature]
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PERMIT TO CONSTRUCT			
164 DATE ISSUED 8/1/89	165 EXPIRATION DATE 8/1/90	166 SIGNATURE OF APPROVAL [Signature]	167 FEE 50

CERTIFICATE TO OPERATE			
169 DATE ISSUED 11/3/89	170 EXPIRATION DATE 11/10/94	171 SIGNATURE OF APPROVAL [Signature]	172 FEE

173 SPECIAL CONDITIONS:	
1	2
3	4
5	6
7	8

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 75-11-12
BEFORE ANSWERING
ANY QUESTION

[illegible]

S	EMISSION CONTROL EQUIPMENT - D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
E	42	43 99		45	46 /	47
C	48	49		51	52 /	53
D						

[illegible]

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

<p>THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.</p>	<p>50 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT</p> <p><i>[Signature]</i></p>	<p>DATE</p> <p><i>[Date]</i></p>
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G E N C	PERMIT TO CONSTRUCT				168
	164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE	1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2 THIS IS NOT A CERTIFICATE TO OPERATE 3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

U
S
E

RECOMMENDED ACTION RE: C.O.			
660 DATE ISSUED 04/16/85	170 EXPIRATION DATE 04/10/1990	171 SIGNATURE OF APPROVAL L.M. Burdick	172 FEE

173

☒ INSPECTED BY E. Dwyer DATE 4-10-85

☒ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHARGES INDICATED ON FORM

☒ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT

☐ APPLICATION FOR C.G. DENIED _____ DATE _____ INITIALED _____

EXHIBIT 9B

OP LOCATION FACILITY EMISSION POINT
 43126001167003411

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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 WHITE REGIONAL OFFICE
 PINK FIELD REP
 YELLOW APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1. NAME OF OWNER/FIRM General Super Plating Company, Inc.			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) GSP Shielding Division		
2. NUMBER AND STREET ADDRESS 22 Celi Drive			11. NUMBER AND STREET ADDRESS			12. CITY - TOWN - VILLAGE East Syracuse			22. ZIP 13214		
3. CITY - TOWN - VILLAGE East Syracuse			4. STATE NY			5. ZIP 13057			13. STATE NY		
6. OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15. NAME OF P.E. OR ARCHITECT E. Kawryga			16. NYS P.E. OR ARCHITECT LICENSE NO. 46165			17. TELEPHONE 315-437-9229		
7. NAME & TITLE OF OWNERS REPRESENTATIVE M. Desso, Env. Coord.			8. TELEPHONE 315-446-2264			18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25. START-UP DATE 01/89		
									26. DRAWING NUMBERS OF PLANS SUBMITTED 1A		
									27. PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input checked="" type="checkbox"/> MODIFICATION		
									28. CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE B <input checked="" type="checkbox"/> EXISTING SOURCE		

29. EMISSION POINT ID COSH1	30. GROUND ELEVATION (FT) 410	31. HEIGHT ABOVE STRUCTURE (FT) 6	32. STACK HEIGHT (FT) 28	33. INSIDE DIMENSIONS (IN) 44	34. EXIT TEMP (°F) 70	35. EXIT VELOCITY (FT/SEC) 34.9	36. EXIT FLOW RATE (ACFM) 22,125	37. SOURCE CODE 1309	38. DISTANCE 24	39. DAYS EXP 250	40. % OPERATION BY SEASON Winter Spring Summer Fall 2.5 2.5 2.5 2.5
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S E C T I O N F	41. DESCRIBE PROCESS OR UNIT Electroless Plating - 9 pick up points	42. EMISSION CONTROL EQUIPMENT I.D.	43. CONTROL TYPE 99	44. MANUFACTURER'S NAME AND MODEL NUMBER	45. DISPOSAL METHOD	46. DATE INSTALLED MONTH / YEAR	47. USEFUL LIFE

48. EMISSION CONTROL EQUIPMENT I.D.	49. CONTROL TYPE	50. MANUFACTURER'S NAME AND MODEL NUMBER	51. DISPOSAL METHOD	52. DATE INSTALLED MONTH / YEAR	53. USEFUL LIFE

CALCULATIONS

Nine (9) 76-19-4 Forms

(Sheet 1 of 2)

S E C T I O N F	CONTAMINANT		UNIT	ENV RATING	EMISSIONS				% CONTROL EFFICIENCY	ANNUAL EMISSIONS (LBS/YR)	
	NAME	GAS NUMBER			ACTUAL	UNIT	HOW	PERMISSIBLE		ACTUAL	PERMISSIBLE
54	Nitric Acid	0769737-2	56	B	0.1	1	6	0.1	0.1	600	600
59	Mono ethyl glycol ether	0011146-6	71	B	.102	1	6	0.102	.102	612	612
84	Diethanolamine	0011142-2	86	B	.006	1	6	0.006	.006	36	36
99	Triethanolamine	0010271-6	101	B	.006	1	6	0.006	.006	36	36
114	Sodium Hydroxide	0131073-2	116	B	.08	1	6	0.08	.08	480	480
129	Chromium Trioxide	0133382-0	131	B	.004	1	6	0.004	.004	24	24

SOLID FUEL TONS/YR		LIQUID FUEL THOUSANDS OF GALLONS/YR		GAS THOUSANDS OF CF/YR		APPLICABLE RULE	
144	145	146	147	148	149	150	151
							212

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

155. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT
 156. DATE
 6/19/89

156. LOCATION CODE 3126001167411577153471	157. FACILITY ID, NO	158. UTM (E)	159. UTM (N)	160. SIC NUMBER	161. DATE APPL RECEIVED	162. DATE APPL REVIEWED	163. REVIEWED BY M. McPeck
PERMIT TO CONSTRUCT							
164. DATE ISSUED	165. EXPIRATION DATE	166. SIGNATURE OF APPROVAL	167. FEE	168. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT THIS IS NOT A CERTIFICATE TO OPERATE TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE			

CERTIFICATE TO OPERATE			
169. DATE ISSUED 12/11/89	170. EXPIRATION DATE 04/01/94	171. SIGNATURE OF APPROVAL	172. FEE 50
173. INSPECTED BY			
174. SPECIAL CONDITIONS:			

174. SPECIAL CONDITIONS:	175. SPECIAL CONDITIONS:

LOCATION FACILITY EMISSION POINT
3126001167005H21

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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 WHITE - REGIONAL OFFICE
 PINK - FIELD REP
 YELLOW - APPLICANT

A ADD
 C CHANGE
 D DELETE

READ INSTRUCTIONS
 CONTAINED IN
 FORM 76-19-3
 BEFORE ANSWERING
 ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1. NAME OF OWNER/FIRM General Super Plating Company			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) G.S.P. Shielding Division		
2. NUMBER AND STREET ADDRESS 22 Celi Drive			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS) 6606 Joy Road			27. ZIP		
3. CITY - TOWN - VILLAGE East Syracuse			4. STATE NY			5. ZIP 13057			12. CITY - TOWN - VILLAGE Dewitt		
6. OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			15. NAME OF RE OR ARCHITECT PREPARING APPLICATION E. Kawryga			16. NYS PE OR ARCHITECT LICENSE NO 46165			17. TELEPHONE 315-437-9299		
7. NAME & TITLE OF OWNERS REPRESENTATIVE M. Desso Environmental Coord.			8. TELEPHONE 315-446-2264			25. START-UP DATE 01 89			26. DRAWING NUMBERS OF PLANS SUBMITTED 1A		
23. BUILDING NAME (IF NUMBER)			24. FLOOR NAME OR NUMBER First			27. PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input checked="" type="checkbox"/> MODIFICATION			28. CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE B <input checked="" type="checkbox"/> EXISTING SOURCE		

29. EMISSION POINT ID 00SH2	30. GROUND ELEVATION (FT) 400	31. HEIGHT ABOVE STRUCTURE (FT) 6	32. STACK HEIGHT (FT) 28	33. INSIDE DIMENSIONS (IN) 48	34. EXIT TEMPERATURE (°F) 70	35. EXIT VELOCITY (1/SEC) 41.8	36. EXIT FLOW RATE (ACFM) 31530	37. SOURCE CODE 1309	38. UNIT NO.	39. OPERATING SEASON Winter Spring Summer Fall 24 250 25 25 25 25
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S E C T I O N E	41. DESCRIBE PROCESS OR UNIT Electroless Plating - 9 pick up points	42.	43.	44.	45.	46.	47.
	48.	49.	50.	51.	52.	53.	54.
	55.	56.	57.	58.	59.	60.	61.
	62.	63.	64.	65.	66.	67.	68.

EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43 99	44	45	46	47
48	49	50	51	52	53

CALCULATIONS

Nine (9) 76-19-4 Forms
 (Sheet 1 of 3)

S E C T I O N F	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				PERMISSIBLE	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
	NAME	CAS NUMBER				UNIT	HOW DIL	ACTUAL	PERMISSIBLE					
54	Nickel Sulfate	0 7 7 8 6 - 8 1 - 4	56	57	B	.078	1 6	0.078	.078	.078	468	0	468	
69	Acetic Acid	0 0 0 6 4 - 1 9 - 7	71	72	B	.015	1 6	0.015	.015	.015	90	0	90	
84	Sodium Hypophosphite	0 7 6 8 1 - 5 3 - 0	86	87	B	1.27	1 6	1.27	1.27	1.27	7620	0	7620	
99	Ammonium Hydroxide	0 1 3 3 6 - 2 1 - 6	101	102	B	.222	1 6	0.222	.222	.222	1332	0	1332	
114	Nitric Acid	0 7 6 9 7 - 3 7 - 2	116	117	B	.06	1 6	0.06	.06	.06	360	0	360	
129	Cupric Chloride	0 1 3 4 4 - 6 7 - 8	131	132	B	.030	1 6	0.030	.030	.030	180	0	180	

S E C T I O N G	TYPE	SOLID FUEL TONS/YR	% S	TYPE	LIQUID FUEL THOUSANDS OF GALLONS/YR	% S	TYPE	GAS THOUSANDS OF CF/YR	APPLICABLE RULE	APPLICABLE RULE
144	145	146	147	148	149	150	151	152	153	154
									212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative
 THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

156. LOCATION CODE 3126001167411577153471	157. FACILITY ID. NO.	158. UTM (E)	159. UTM (N)	160. SIC NUMBER	161. DATE APPL RECEIVED	162. DATE APPL REVIEWED	163. REVIEWED BY M. McReck
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PERMIT TO CONSTRUCT			
164. DATE ISSUED 1/1	165. EXPIRATION DATE 1/1	166. SIGNATURE OF APPROVAL [Signature]	167. FEE 50

CERTIFICATE TO OPERATE			
169. DATE ISSUED 12/11/89	170. EXPIRATION DATE 04/01/94	171. SIGNATURE OF APPROVAL [Signature]	172. FEE 50

174. SPECIAL CONDITIONS:	
1.	2.
3.	4.
5.	6.
7.	8.



***Status of the General Super Plating
Joy Road Plant
Ground-Water Recovery and
Treatment System***

General Super Plating
East Syracuse, NY

August 1993

**BLASLAND & BOUCK ENGINEERS, P.C.
BLASLAND, BOUCK & LEE
ENGINEERS & SCIENTISTS**

6723 Towpath Road
Syracuse, New York 13214
(315) 446-9120



Pursuant to New York State Department of Environmental Conservation's (NYSDEC) request following a meeting on May 5, 1993, this report has been prepared to further summarize and support the opinion of Blasland & Bouck Engineers, P.C. (Blasland & Bouck) that further remediation activities are unnecessary at General Super Plating's (GSP) Joy Road Facility (see also letter of March 29, 1993, attached here as Attachment 1).

Background

In May 1988, GSP responded to a suspected chromium solution discharge (determined to be the result of a defective floor lining within the containment area) by promptly reporting the incident to the NYSDEC (Region 7) and retaining Blasland & Bouck as its consultants. Initially GSP installed four well points inside the building and began pumping water from the well points to the facility's existing wastewater treatment system. This was done with the consent and knowledge of NYSDEC and the County of Onondaga (Department of Drainage and Sanitation).

Thereafter, Blasland & Bouck was retained to evaluate the extent of the release and to recommend remedial measures. A proposal was submitted to NYSDEC in June, 1988 in which Blasland & Bouck recommended a shallow subsurface investigation to qualitatively confirm the presence and extent of chromium solution in the subsurface environment. Because the plant had only been in operation for one year and the subsurface materials had a low hydraulic conductivity, NYSDEC was in agreement with Blasland & Bouck that the extent of the release was limited to the immediate vicinity of the GSP building. Since ground water was encountered at a depth of 1 to 3 feet below the ground surface, Blasland & Bouck, with concurrence of Mr. McPeck of NYSDEC, designed an investigation that focused on defining the impacts to ground water. A review of the ground-water/subsurface investigation (previously forwarded to the NYSDEC) is described below.

Ground-Water/Subsurface Investigation

A. Methodology

The location of each of the borehole sampling points is shown on Figure 1. Due to the location of ground water at a shallow depth of approximately 1 to 3 feet, it was possible to use a hand auger to complete the borings. Each boring was first drilled to a depth of 42 inches using a one-man power auger. A 3-inch diameter hand auger was then used to advance the boring until the water table was encountered. Approximately five minutes were allowed for ground water to flow into the boring. A teflon bailer was then lowered into the boring to obtain a sample. The ground water was then poured into a glass beaker where specific conductivity was measured. Specific conductivity had been selected as a qualitative measure of the presence of chromium due to correlations which can be made between chromium solution and conductivity. Previous to the investigation, Blasland & Bouck demonstrated to NYSDEC that a specific quantitative correlation exists between chromium concentration in ground water at the site and specific conductivity.

To prevent the potential for carry-over of chromium solution between borings, the power auger, hand auger, teflon bailer, and glass beaker were all cleaned between boreholes using a wash with soapy water followed by a distilled water rinse. The conductivity probe was thoroughly rinsed with distilled water between each sample. Polypropylene rope used to lower the teflon bailer into each boring was replaced at each location.

A grab sample of water was also collected from a manhole located in the northwest corner of the facility property and analyzed for specific conductivity (Figure 1). This manhole is part of an underdrain system which runs in a south to north direction along the west side of the facility property.

B. Results

The results were presented to NYSDEC in a letter report dated August 3, 1988. Only two borings, both located immediately adjacent to the building, showed indications of chromium, either by high conductivity (75,000 umhos) or visual observation. In general as the borings place further from the building had lower conductivity values than ones closer to the building. Figure 2 presents the spatial distribution of the conductivity measurements. The subsurface logs of the borings and field analysis data are presented in Table 1.

The source of the chromium was traced to a breach of the specially installed floor lining. As a result, remedial efforts included source control as well as ground-water recovery and treatment. Source control included the installation of new concrete curbs around the manufacturing and treatment areas. The new containment areas were then covered with an epoxy-vinyl ester coating. In order to ensure complete capture of any remaining dissolved chromium, Blasland & Bouck recommended a more extensive ground-water recovery system. The ground-water recovery system consisted of a 12-foot deep sump at the northwest corner of the property with two lateral drains. One drain was constructed along the west side of the building and one drain was constructed parallel to Joy Road. The location of the drains and sump are shown on Figure 3. The design and location of the system were a result of a direct discussion and approval of Mr. McPeck of NYSDEC. Both drains were constructed of 4-inch PVC drain pipe placed at a depth of 4 to 6 feet and surrounded by pea size gravel. Water was pumped from the sump to the GSP treatment plant. GSP completed construction of the interception system in September, 1988. In August 1989, GSP advised NYSDEC that it would continue to pump ground water from the sumps, treat the ground water in the facility's existing treatment system, and submit periodic data to NYSDEC as appropriate.

Evaluation of Alternative Remediation Technologies

Blasland & Bouck and GSP examined the feasibility of alternative technologies and remediation programs for addressing the ground-water quality concerns at the Joy Road facility. In general, it was determined that there were no usable alternatives to pump and treat.



Ground-water remediation technologies considered included: in situ demobilization of chromium through chemical injection; chemical stabilization using a trench backfilled with a filter material designed to react with the chrome in ground water so as to reduce its mobility; and a slurry bentonite cutoff wall. Insitu demobilization of chromium would require injection of pH control compounds and ionic solutions designed to form insoluble chromium salts. The deficiency with the technology was that the reaction was reversible and may permit chromium leaching in the future. Passive chemical prescription as ground-water flowed across an interception trench required diligent monitoring and could allow chromium-impacted water to escape beyond the trench. A soil-bentonite cutoff wall would not improve the performance of a ground-water extraction system and therefore was not considered further. In the final analysis, the ground-water pump and treatment system originally installed and enhanced offered the best technical solution insuring capture of contaminated ground-water removal of chromium from the environment, ease of operation, and monitoring and expediency.

Evaluation of Recovery System

GSP's rapid initial responses, combined with the floor replacement and modification of the containment system, eliminated the source of chromium solution to the subsurface. Because of the low hydraulic conductivity of the soils and the limited time of discharge (less than one year), all parties agreed that the movement of chromium solution away from the GSP building was extremely limited.

During April 1989, GSP evaluated the performance of the recovery system. Ground-water recovery rates fluctuated with the water table but the average recovery rate was between 4 to 5 gpm. The recovery system tests demonstrated its capability to operate within the reported maximum 15 gpm capacity of the recovery system pump. Highest observed rates of ground-water flow observed were approximately 12 gpm, indicating that the pumping system could effectively handle the maximum ground-water flow rate entering the collection laterals.

GSP has been collecting and analyzing ground-water samples from the recovery system. Confirmatory analyses have been conducted by Upstate Laboratories (Upstate) of Syracuse, New York (Upstate's recent analytical data is attached to this report). Various reports summarizing the recovery system performance were previously submitted to NYSDEC. A graph of the average monthly chromium concentrations measured by GSP since the initiation of ground-water recovery is shown on Figure 4. The confirmatory analysis conducted by Upstate plotted on Figure 4 shows good agreement with the GSP analyses.

As Figure 4 shows, the average monthly chromium concentration has decreased exponentially since the initiation of ground-water recovery. The initial chromium concentration was 21 mg/L. The average monthly chromium concentration is now 0.1 to 0.2 mg/L. This represents a 99 percent reduction in chromium concentration. Chromium concentrations have remained at this extremely low level for more than a year. Successful ground-water remediation programs often end when the concentration of the chemical of concern reaches a point when it is no longer technically feasible, prudent, or effective to continue the remediation (i.e. 0.1 - 0.05). Figure 4 shows that chromium concentrations have reached such an asymptotic position.

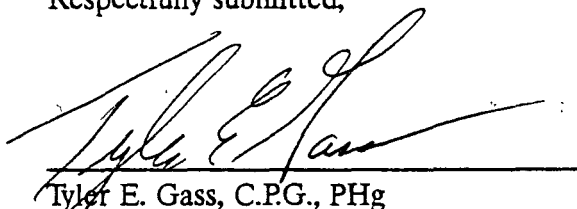


Studies by the Oak Ridge National Laboratory and others conclude that this leveling off indicates that further reductions of chromium concentration are not likely to be achieved (Doty, C.B. and Travis C.C. The Effectiveness of Groundwater Pumping as a Restoration Technique. Oak Ridge National Laboratory Report ORNL/TM-11866, May, 1991). It is our opinion, therefore, that continued operation of the ground-water recovery system will not result in any measurable improvement in ground-water quality. County data indicate that there are no water supply wells in the immediate area of the facility or other potential receptors of ground-water that may be at risk. Given these circumstances, we recommend permanently turning off the ground-water recovery system.

In conjunction with the termination of operation of the ground-water recovery system, we would propose to perform quarterly ground-water monitoring from the sump through July, 1995. At that time, if the data so warrants, we would propose to NYSDEC a reduced monitoring schedule. It has been confirmed by the outside laboratory (Upstate Laboratory) that all sample analyses will be performed using appropriate methodology to achieve a detection limit at or below the state ground-water standard for chromium. The analysis from each round of monitoring will be promptly forwarded to Mr. Steve Eidt of the NYSDEC upon receipt.

If after the systems operation has been terminated there are two consecutive monitoring periods in which chromium levels exceed 1 mg/L, then GSP would consider re-examining the status of the site, and evaluate remedial alternatives in conjunction with the Onondaga County Department of Drainage and Sanitation (OCDDS) and, if appropriate, install a ground-water extraction and treatment system acceptable to OCDDS.

Respectfully submitted,



Tyler E. Gass, C.P.G., PHg

ATTACHMENT 1



BLASLAND & BOUCK ENGINEERS, P.C.

ENGINEERS & GEOSCIENTISTS

6723 Towpath Road, Box 66, Syracuse, New York 13214-0066 (315) 446-9120
FAX: (315) 449-0017

March 29, 1993

Mr. Rodney Campbell
Environmental Coordinator
General Super Plating Co., Inc.
22 Celi Drive
East Syracuse, New York 13057

Re: Joy Road Plant
Ground-Water Recovery System

File: 300.07 #2

Dear Mr. Campbell:

The purpose of this letter is to provide a summary of the performance of the ground-water recovery system at the General Super Plating (GSP) Joy Road facility in East Syracuse, New York. Based upon the chromium concentration data collected in 1991 and 1992, we are recommending that the site has been effectively remediated and that the recovery system be permanently shut down.

Background

In May 1988, General Super Plating Co., Inc. (GSP) responded to a suspected chromium solution discharge (determined to be the result of a defective floor lining within the containment area) by reporting the incident to the New York State Department of Environmental Conservation (Region 7) (NYSDEC) and retaining Blasland & Bouck Engineers, P.C. (Blasland & Bouck) as its consultants. Initially GSP installed four well points inside the building and began pumping water from the well points to the facility's existing wastewater treatment system. This was done with the consent and knowledge of NYSDEC and the County of Onondaga (Department of Drainage and Sanitation).

Thereafter, Blasland & Bouck was retained to evaluate the extent of the release and to recommend remedial measures. A proposal was submitted to NYSDEC in June, 1988 in which Blasland & Bouck recommended a shallow interception

Mr. Rodney Campbell
March 29, 1993
Page 2

trench along the north wall of the GSP building to limit the migration of dissolved chromium. GSP promptly installed a 2-to-3 foot deep interception trench adjacent to the parking lot and building. PVC drain pipe was placed in the trench and the trench was backfilled with granular material. A sump was constructed at each end of the interception trench and water from the trench was pumped to the GSP plant treatment system. The general location of the interception trench is shown on Figure 1.

As a follow up to the initial work and following discussions with NYSDEC, Blasland & Bouck conducted a qualitative assessment on the distribution of dissolved chromium in the subsurface and a well user survey. At the time the release was identified, the plant had been in operation for only one year. Because of the short operating time and the low hydraulic conductivity of the soils, it was reasonable to assume that the dissolved chromium was restricted to the immediate vicinity of the GSP building. The NYSDEC expressed agreement with this assumption.

In mid-June 1988, 10 hand-auger borings were placed around north and west of the GSP building. The borings were advanced to an average depth of 7 feet. Soil and water samples from the borings were visually described and the temperature, pH, and conductivity of the water in the boreholes were measured. The results were presented to NYSDEC in a letter report dated August 3, 1988. Only two borings, both located immediately adjacent to the building, showed indications of chromium, either by high conductivity ($>5,000$ umhos) or visual observation.

The chromium solution discharge was traced to a breach of a specially-installed floor lining. As a result, a new system was engineered by Blasland & Bouck and installed. New concrete curbs were installed around the manufacturing and treatment areas. The newly designed containment area was covered with an epoxy/vinyl ester coating.

In order to ensure complete capture of any remaining dissolved chromium, Blasland & Bouck recommended a more extensive ground-water recovery system. The ground-water recovery system consisted of a 12-foot deep sump at the northwest corner of the property with two lateral drains. One drain was constructed along the west side of the building and one drain was constructed parallel to Joy Road. The location of the drains and sump are shown on Figure 1. Both drains were constructed of 4-inch PVC drain pipe placed at a depth of 4-to-6 feet and surrounded by pea-gravel. Water was pumped from the sump to the GSP treatment plant. GSP completed construction of the interception system in September, 1988.

Mr. Rodney Campbell
March 29, 1993
Page 3

In August 1989, GSP advised NYSDEC, that it would continue to pump ground water from the sumps, treat the ground water in the facility's existing treatment system, and submit periodic data to NYSDEC as appropriate.

Evaluation of Recovery System

GSP's rapid initial responses, combined with the modification of the containment system, eliminated the source of chromium solution to the subsurface. Because of the low hydraulic conductivity of the soils and the limited time of discharge (less than one year), the movement of chromium solution away from the GSP building was limited.

During April 1989, GSP evaluated the performance of the recovery system. Ground-water recovery rates fluctuated with the water table but the average recovery rate was between 4 to 5 gpm. The analysis recovery system tests demonstrated its capability to operate within the reported maximum 15 gpm capacity of the recovery system pump. Highest observed rates of ground-water flow observed were approximately 12 gpm, indicating that the pumping system could effectively handle the maximum ground-water flow rate entering the collection laterals.

GSP has been collecting and analyzing ground-water samples from the recovery system. Confirmatory analyses were conducted by Upstate Laboratories (Upstate) of Syracuse, New York (Upstate's analytical data for 1992 is attached to this report). Various reports summarizing the recovery system performance were submitted to NYSDEC. A graph of the average monthly chromium concentrations measured by GSP since the initiation of ground-water recovery is shown on Figure 2. The confirmatory analyses conducted by Upstate are also plotted on Figure 2. The Upstate analyses show good agreement with the GSP analyses.

As Figure 2 shows, the average monthly chromium concentration has decreased exponentially since the initiation of ground-water recovery. The initial chromium concentration was 21 mg/L. The average monthly chromium concentration is now 0.1 to 0.2 mg/L. This represents a 99 percent reduction in chromium concentration. Although the chromium concentration is above NYSDEC guidance value of 0.05 mg/L for chromium in ground water, the chromium concentration has apparently leveled off.

Studies by the Oak Ridge National Laboratory and others conclude that this leveling off indicates that further reductions of chromium concentration are not likely to be achieved (Doty, C.B. and Travis, C.C. The Effectiveness of Groundwater Pumping as a Restoration Technology. Oak Ridge National Laboratory Report ORNL/TM-11866, May, 1991). It is our opinion, therefore, that continued operation of the ground-water recovery system will not result in any measurable improvement in ground-water quality. County data indicate that there are no water supply wells in the immediate area of the facility or other potential

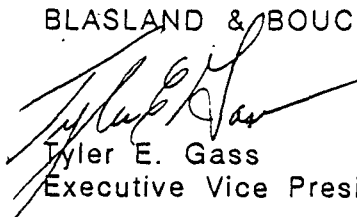
Mr. Rodney Campbell
March 29, 1993
Page 4

receptors of ground-water that may be at risk. Given these circumstances, we recommend, permanently turning off the ground-water recovery system.

If you have any questions regarding this report, please do not hesitate to contact me.

Very truly yours,

BLASLAND & BOUCK ENGINEERS, P.C.

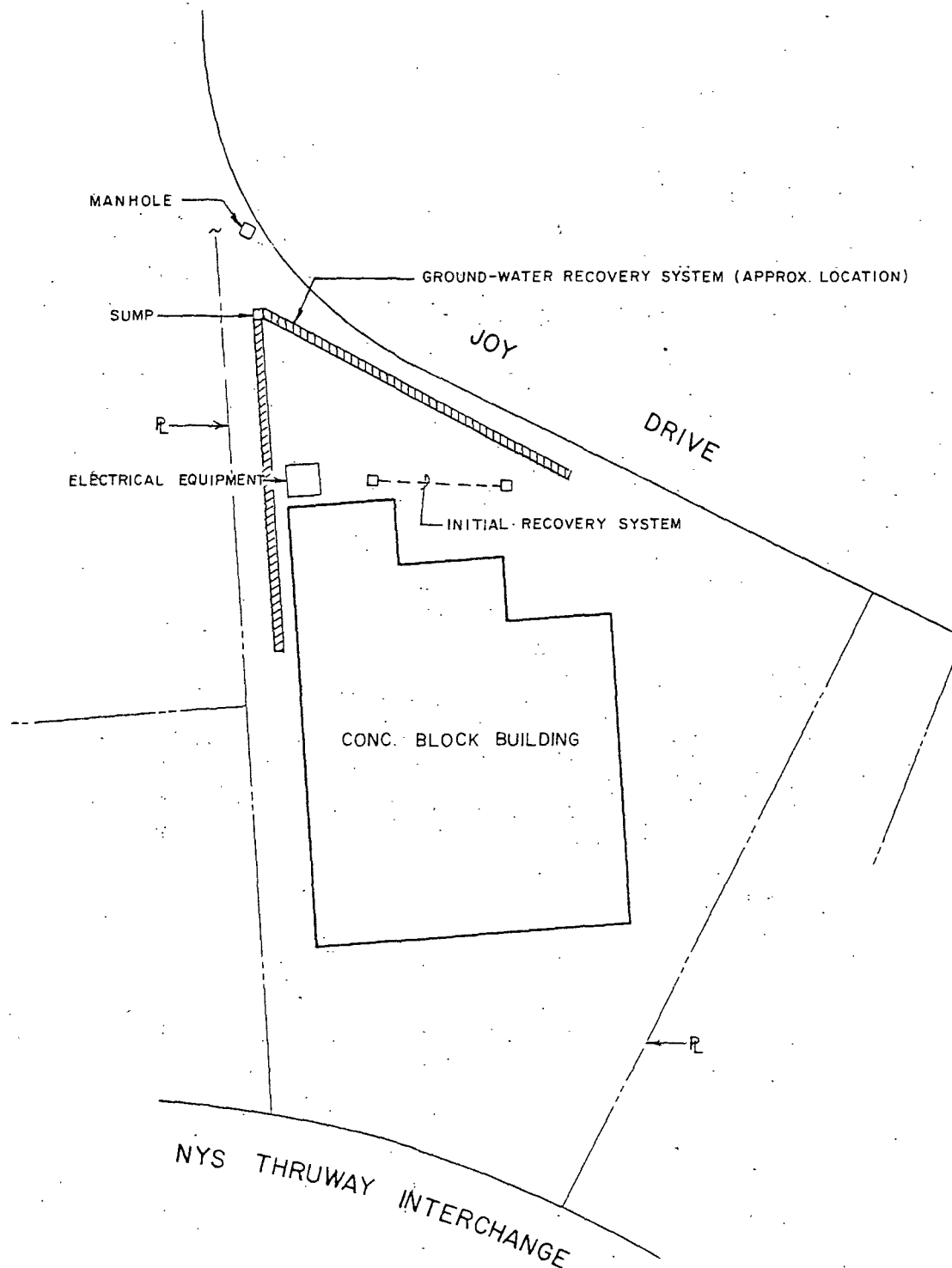


Tyler E. Gass
Executive Vice President

SJR/kdm
1593914A
Enclosures

cc: Doreen A. Simmons, Esq., Hancock & Estabrook

FIGURE 1



LEGEND

□ SUMP

GENERAL SUPER PLATING CO., INC.
JOY ROAD SHIELDING PLANT

GROUND-WATER RECOVERY SYSTEM

SCALE:
50' 0 50'

 BLASLAND & BOUCK
ENGINEERS, P.C.

EXHIBIT 9C

LOCATION FACILITY EMISSION POINT
 A 5 1 2 6 0 0 1 1 6 7 0 0 3 1 1 1

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PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM GENERAL SUPER PLATING COMPANY, INC.			9 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) GSP ADHESIVES DIVISION			
2 NUMBER AND STREET ADDRESS 22 Celi Drive			11 NUMBER AND STREET ADDRESS			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 6608 JOY ROAD			22 ZIP 13057			
3 CITY - TOWN - VILLAGE EAST SYRACUSE		4 STATE N.Y.	5 ZIP 13057		12 CITY - TOWN - VILLAGE		13 STATE	14 ZIP		23 BUILDING NAME OR NUMBER 6608		
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL		15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION		16 N.Y.S. P.E. OR ARCHITECT LICENSE NO.		17 TELEPHONE		24 FLOOR NAME OR NUMBER 1	
7 NAME & TITLE OF OWNERS REPRESENTATIVE JAN SALZMAN CHEMICAL ENGINEER			8 TELEPHONE (315) 446-2264		18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25 START UP DATE 02 / 75		26 DRAWING NUMBERS OF PLANS SUBMITTED		
								27 PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION		28. CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input checked="" type="checkbox"/> EXISTING SOURCE B <input type="checkbox"/> MODIFICATION		

29 EMISSION POINT ID	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON Winter Spring Summer Fall					
0001	400	3	18	34	70	26.4	10,000	A 1303	0	250	2	5	2	5	2	5

S E C C	41 DESCRIBE PROCESS OR UNIT	1 ADHESIVE SPRAY BOOTH #1	2 DRY FILTERS FOR SOLIDS REMOVAL
		3	4
		5	6
		7	8

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42 1	43 96	44 SPRAY BOOTH FILTERS	45 2	46 /	47
48	49	50	51	52 /	53

CALCULATIONS

SEE CALCULATION SHEET #1

	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE
S E C T I O N F	54 PARTICULATES	55 NY 879-00-0	56	57	58 C	59 .001	60 1	61 6	62 0.098	63 90	64 .757	65 .096	66 196	67 0	68 196
	69 ETHYLENE CHLORIDE	70 10075-09-2	71	72	73 B	74 5.34	75 1	76 6	77 5.34	78 0	79 5.34	80 5.34	81 10,680	82 0	83 10,680
	84 PERCHLOROETHYLENE	85 10127-10-4	86	87	88 B	89 3.56	90 1	91 6	92 3.56	93 0	94 3.56	95 3.56	96 7,120	97 0	98 7,120
	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143

S E C T I O N F	SOLID FUEL			OIL			GAS			APPLICABLE RULE	APPLICABLE RULE
	TYPE	TONS/YR	% S	TYPE	THOUSANDS OF GALLONS/YR	% S	TYPE	THOUSANDS OF CF/YR	BTU/CF	153	154
	144	145	146	147	148	149	150	151	152	212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *[Signature]* DATE: 6/8/87

156 LOCATION CODE 312600	157 FACILITY ID NO 1127	158 UTM (E) 4115	159 UTM (N) 7715	160 PERMIT NUMBER 3479	161 DATE APPL RECEIVED 6/17/87	162 DATE APPL REVIEWED 6/11/87	163 REVIEWED BY: S.K.
PERMIT TO CONSTRUCT 164 DATE ISSUED: / / 165 EXPIRATION DATE: / / 166 SIGNATURE OF APPROVAL: <i>[Signature]</i> 167 FEE:					168 1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2 THIS IS NOT A CERTIFICATE TO OPERATE 3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE		
RECOMMENDED ACTION RE: C.O. 169 DATE ISSUED: 06/25/87 170 EXPIRATION DATE: 06/01/92 171 SIGNATURE OF APPROVAL: <i>[Signature]</i> 172 FEE:					173 1 <input checked="" type="checkbox"/> INSPECTED BY: <i>[Signature]</i> DATE: 6/8/87 2 <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM 3 <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT 4 <input type="checkbox"/> APPLICATION FOR C.O. DENIED DATE: INITIALED:		
174 SPECIAL CONDITIONS: 1 NONE 2 3 4 5 6 7 8							

OR	LOCATION	FACILITY	EMISSION POINT
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

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2 NUMBER AND STREET ADDRESS 22 CERI DRIVE			11 NUMBER AND STREET ADDRESS			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 6608 JOY ROAD			22 ZIP 13057		
3 CITY - TOWN - VILLAGE EAST SYRACUSE			4 STATE N.Y.			5 ZIP 13057			21 CITY - TOWN - VILLAGE EAST SYRACUSE		
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL			12 CITY - TOWN - VILLAGE			13 STATE		
7 NAME & TITLE OF OWNERS REPRESENTATIVE JAN SALZMAN CHEMICAL ENGINEER			8 TELEPHONE (315) 446-2264			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION			16 N.Y.S. P.E. OR ARCHITECT LICENSE NO		
17 TELEPHONE			23 BUILDING NAME OR NUMBER 6608			24 FLOOR NAME OR NUMBER 1			25 START UP DATE 04 87		
18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			26 DRAWING NUMBERS OF PLANS SUBMITTED			27 PERMIT TO CONSTRUCT			28 CERTIFICATE TO OPERATE		
A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION			C <input checked="" type="checkbox"/> EXISTING SOURCE			A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION			C <input checked="" type="checkbox"/> EXISTING SOURCE		

29 EMISSION POINT ID	30 GROUP ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURE (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38	39	40 % OPERATION BY SEASON
U 0 0 1 2	400	3	13	34	70	26.4	10000	A 1303	8	250	2/5 2/5 2/5 2/5

41 DESCRIBE PROCESS OR UNIT	1 ADHESIVE SPRAY BOOTH #2	2 DRY FILTERS FOR SOLIDS REMOVAL
3		
4		
5		
6		
7		
8		

EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42 1	43 9H	44 SPRAY BOOTH FILTERS	45 2	46 /	47
48	49	50	51	52 /	53

CALCULATIONS
SEE CALCULATION SHEET #1

M I N A N T				INPUT OR PRODUCTION		UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
CAS NUMBER				56	57	58	59	ACTUAL	UNIT	HOW DET	PERMISSIBLE	63	ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	9.1	1	6	9.1	0	9.1	9.1	18,200	U	18,200
70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	6.1	1	6	6.1	0	6.1	6.1	12,200	U	12,200
85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102
0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	1.0	1	6	1.0	0	1.0	1.0	2,000	U	2,000
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	2.0	1	6	2.0	0	2.0	2.0	4,000	U	4,000
115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	.20	1	6	.20	0	.20	.20	400	U	400
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146
0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	1.0	1	6	1.0	0	1.0	1.0	2,000	U	2,000

SOLID FUEL			OIL			GAS			APPLICABLE RULE	
TYPE	TONS/YR	%S	TYPE	THOUSANDS OF GALLONS/YR	%S	TYPE	THOUSANDS OF CF/YR	BTU/CF	153	154
144	145	146	147	148	149	150	151	152	212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT

DATE

6/1/87

156 LOCATION CODE	157 FACILITY ID NO	158 UTM (E)	159 UTM (N)	160 SIC NUMBER	161 DATE APPL RECEIVED	162 DATE APPL REVIEWED	163 REVIEWED BY
312600	1167	4115	7715	3479	6/1/87	6/11/87	

P E R M I T T O C O N S T R U C T				158
164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE	1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
/ /	/ /			2 THIS IS NOT A CERTIFICATE TO OPERATE
				3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

R E C O M M E N D E D A C T I O N R E: C.O.				173
169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE	1 <input checked="" type="checkbox"/> INSPECTED BY <u>E. L. Morgan</u> DATE <u>6/7/87</u>
06/25/87	06/01/92	J. M. Smith		2 <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM
				3 <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
				4 <input type="checkbox"/> APPLICATION FOR C.O. DENIED
				DATE _____ INITIALED _____

174 SPECIAL CONDITIONS:		2
1	NONE	
3		
5		
7		
		4
		6
		8



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2 NUMBER AND STREET ADDRESS 22 CLEI DRIVE			11 NUMBER AND STREET ADDRESS						20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 6600 JUY ROAD					
3 CITY - TOWN - VILLAGE EAST SYRACUSE			4 STATE N.Y.		5 ZIP 13057		12 CITY - TOWN - VILLAGE		13 STATE		14 ZIP 13057			
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION			16 NYS P.E. OR ARCHITECT LICENSE NO			17 TELEPHONE 6608		
7 NAME & TITLE OF OWNERS REPRESENTATIVE JAN SALZMAN CHEMICAL ENGINEER			8 TELEPHONE (315) 446-2264			18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25 START UP DATE 04 / 87 MO YR			26 DRAWING NUMBERS OF PLANS SUBMITTED 1		
27 PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION			28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input checked="" type="checkbox"/> EXISTING SOURCE B <input type="checkbox"/> MODIFICATION											

29 EMISSION POINT ID 00005	30 GROUND ELEVATION (FT) 400	31 HEIGHT ABOVE STRUCTURES (FT) 3	32 STACK HEIGHT (FT) 10	33 WIND DIRECTION (DEG) 0	34 EXIT TEMP (DEG) 300	35 EXIT VELOCITY (FT/SEC) 4.0	36 EXIT FLOW RATE (ACFM) 100	37 SOURCE CODE A1402	38 HRS/DAY 0	39 DAYS/YR 250	40 % OPERATION BY SEASON Winter Spring Summer Fall 25 25 25 25			
----------------------------------	------------------------------------	---	-------------------------------	---------------------------------	------------------------------	-------------------------------------	------------------------------------	----------------------------	--------------------	----------------------	--	--	--	--

41 DESCRIBE PROCESS OR UNIT DESPATCH CURING OVEN #2	2
	3
	4
	5
	6
7	8

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER		DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43 99	44		45	46 /	47
48	49	50		51	52 /	53

CALCULATIONS

SEE E.P. 3 (ADHESIVE SPRAY BOOTH) (SAME AS E.P. 2)
75% SOLVENTS EXHAUSTED THRU BOOTH SEE CALCULATION SHEET #2
25% SOLVENTS EXHAUSTED THRU OVEN

CONTAMINANT														INPUT OR PRODUCTION		UNIT	ENV RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)			ANNUAL EMISSIONS (LBS/YR)		
NAME		CAS NUMBER		UNIT	PRODUCTION	UNIT	ENV RATING	ACTUAL	UNIT	HOW DLT	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE											
S	54	55		56		57	58	59	60	61	62	63	64	65	66	67	68											
E	TOLUENE	00100-88-3					C	3.0	1	6	3.0	U	3.0	3.0	6,000	U	6,000											
C	69	70		71		72	73	74	75	76	77	78	79	80	81	82	83											
T	ETHYL ETHYL KETONE	00075-93-3					B	2.0	1	6	2.0	U	2.0	2.0	4,000	U	4,000											
I	84	85		86		87	88	89	90	91	92	93	94	95	96	97	98											
O	BUTYL ALCOHOL	00071-36-3					C	.33	1	6	0.33	U	.33	.33	660	U	660											
N	99	100		101		102	103	104	105	106	107	108	109	110	111	112	113											
	ETHANOL	00067-17-5					C	.66	1	6	0.66	U	.66	.66	1,320	U	1,320											
F	114	115		116		117	118	119	120	121	122	123	124	125	126	127	128											
	PHENOL	00105-95-2					C	.066	1	6	0.066	U	.066	.066	132	U	132											
	129	130		131		132	133	134	135	136	137	138	139	140	141	142	143											
	ISOPROPYL ALCOHOL	00067-63-0					C	.33	1	6	0.33	U	.33	.33	660	U	660											

SOLID FUEL			OIL			GAS			APPLICABLE RULE	APPLICABLE RULE
TYPE	TONS/YR	%S	TYPE	THOUSANDS OF GALLONS/YR	%S	TYPE	THOUSANDS OF CF/YR	BTU/CF		
144	145	146	147	148	149	150	151	152	153 212	154

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *[Signature]* DATE: 6/8/87

156 LOCATION CODE 312520	157 FACILITY ID NO 1167	158 UTM (E) 4115	159 UTM (N) 7715	160 SIC NUMBER 3479	161 DATE APPL RECEIVED 6/8/87	162 DATE APPL REVIEWED 6/11/87	163 REVIEWED BY [Signature]
PERMIT TO CONSTRUCT 164 DATE ISSUED: / / 165 EXPIRATION DATE: / / 166 SIGNATURE OF APPROVAL: [Signature] 167 FEE:					168 1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2 THIS IS NOT A CERTIFICATE TO OPERATE 3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE		
RECOMMENDED ACTION RE: C.O. 169 DATE ISSUED: 06/25/87 170 EXPIRATION DATE: 06/01/92 171 SIGNATURE OF APPROVAL: [Signature] 172 FEE:					173 1 <input checked="" type="checkbox"/> INSPECTED BY: S. K. [Signature] DATE: 6/11/87 2 <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM 3 <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT 4 <input type="checkbox"/> APPLICATION FOR C.O. DENIED DATE: INITIALED:		
174 SPECIAL CONDITIONS: 1 NONE 2 3 4 5 6 7 8							



OR LOCATION FACILITY EMISSION POINT
 H 3 1 2 6 0 7 1 1 6 7 0 0 0 5 5

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S E C T I O N A	1 NAME OF OWNER/FIRM G. C. P.			2 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
	2 NUMBER AND STREET ADDRESS			11 NUMBER AND STREET ADDRESS						20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)		
	3 CITY - TOWN - VILLAGE		4 STATE	5 ZIP	12 CITY - TOWN - VILLAGE		13 STATE	14 ZIP	21 CITY - TOWN - VILLAGE		22 ZIP	
	6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			E <input type="checkbox"/> STATE	H <input type="checkbox"/> HOSPITAL	15 NAME OF ENGINEER OR ARCHITECT LICENSE NO.			16 NYS PE OR ARCHITECT LICENSE NO.		17 TELEPHONE	
7 NAME & TITLE OF OWNERS REPRESENTATIVE			8 TELEPHONE			18 NAME OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			23 BUILDING NAME OR NUMBER		24 FLOOR NAME OR NUMBER	
									25 START UP DATE		26 DRAWING NUMBERS OF PLANS SUBMITTED	
									MO		YR	
									27 PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION		28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input type="checkbox"/> EXISTING SOURCE B <input type="checkbox"/> MODIFICATION	

S E C T I O N B	29 EMISSION POINT ID	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 EXIT VELOCITY (FT/SEC)	34 EXIT FLOW RATE (ACFM)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON Winter Spring Summer Fall			
	0 0 0 0 5								A 1402						

S E C T I O N C	41 DESCRIBE PROCESS OR UNIT	1	2
		3	4
		5	6
		7	8

S E C T I O N D	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
	42	43	44	45	46 /	47
	48	49	50	51	52 /	53

S E C T I O N E	CALCULATIONS

CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE
PROPYLENE OXIDE	75-56-2	56	57	58 C	0.066	1	6	0.066	0	0.066	0.066	132	0	132
		71	72	73	74	75	76	77	78	79	80	81	82	83
		86	87	88	89	90	91	92	93	94	95	96	97	98
		100	101	102	103	104	105	106	107	108	109	110	111	112
		115	116	117	118	119	120	121	122	123	124	125	126	127
		130	131	132	133	134	135	136	137	138	139	140	141	142

SOLID FUEL TONS/YR			% S	OIL THOUSANDS OF GALLONS/YR			% S	GAS THOUSANDS OF CF/YR			BTU/CF	APPLICABLE RULE		APPLICABLE RULE	
TYPE				TYPE				TYPE							
144	145		146	147	148		149	150	151		152	153	212	154	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT

DATE

[Signature]

6/8/87

156 LOCATION CODE	157 FACILITY ID. NO	158 U T M (E)	159 U T M (N)	160 SIC NUMBER	161 DATE APPL RECEIVED	162 DATE APPL REVIEWED	163 REVIEWED BY
312000	1167	1115	7715	3479	6/9/87	6/11/87	J.L.

PERMIT TO CONSTRUCT			
164 DATE ISSUED / /	165 EXPIRATION DATE / /	166 SIGNATURE OF APPROVAL	167 FEE

168

1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO OPERATE
3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

RECOMMENDED ACTION RE: C.O.			
169 DATE ISSUED / /	170 EXPIRATION DATE / /	171 SIGNATURE OF APPROVAL	172 FEE

173

- ☒ INSPECTED BY *[Signature]* DATE *6/12/87*
- ☐ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM
- ☒ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
- ☐ APPLICATION FOR C.O. DENIED DATE _____ INITIALED _____

174 SPECIAL CONDITIONS:	
1	2
3	4
5	6
7	8



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
PINK - FIELD REP
YELLOW - APPLICANT

READ INSTRUCTIONS
CONTAINED IN
FORM 76-11-12
BEFORE ANSWERING
ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM GENERAL SUPER PLATING COMPANY, INC.			9 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) GSP ADHESIVES DIVISION					
2 NUMBER AND STREET ADDRESS 22 CELY DRIVE			11 NUMBER AND STREET ADDRESS			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS) 6608 JOY ROAD								
3 CITY - TOWN - VILLAGE EAST SYRACUSE			4 STATE N.Y.		5 ZIP 13057		12 CITY - TOWN - VILLAGE			13 STATE		14 ZIP 13057		
6 OWNER CLASSIFICATION A <input type="checkbox"/> COMMERCIAL C <input type="checkbox"/> UTILITY F <input type="checkbox"/> MUNICIPAL I <input type="checkbox"/> RESIDENTIAL B <input checked="" type="checkbox"/> INDUSTRIAL D <input type="checkbox"/> FEDERAL G <input type="checkbox"/> EDUC INST J <input type="checkbox"/> OTHER			E <input type="checkbox"/> STATE H <input type="checkbox"/> HOSPITAL			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION			16 N.Y.S. P.E. OR ARCHITECT LICENSE NO			17 TELEPHONE		
7 NAME & TITLE OF OWNERS REPRESENTATIVE JAN SALZMAN CHEMICAL ENGINEER			8 TELEPHONE (315) 446-2264			18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			25 START UP DATE 04/87 MO YR			26 DRAWING NUMBERS OF PLANS SUBMITTED 6608 1		
27 PERMIT TO CONSTRUCT A <input type="checkbox"/> NEW SOURCE B <input type="checkbox"/> MODIFICATION			28 CERTIFICATE TO OPERATE A <input type="checkbox"/> NEW SOURCE C <input checked="" type="checkbox"/> EXISTING SOURCE B <input type="checkbox"/> MODIFICATION											

29 EMISSION POINT	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 WIND DIRECTION (DEG)	34 EXIT TEMPERATURE (DEG F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON			
00003	400	3	18	34	70	26.4	10,000	A1503	0	250	25	25	25	25

41 DESCRIBE PROCESS OR UNIT	1. ADHESIVE SPRAY BOOTH #3	2. DRY FILTERS FOR SOLIDS REMOVAL
	3.	
	5.	
	6.	
	7.	

EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42 1	43 98	44 SPRAY BOOTH FILTERS	45 2	46 /	47
48	49	50	51	52 /	53

CALCULATIONS

SEE CALCULATION SHEET #1
SAME AS FOR BOOTH #2

CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.		ERR	ACTUAL	ACTUAL	10*	PERMISSIBLE
TOLUENE	0010-66-9-3	55	56	58 C	9.1	1	6	9.1	0	9.1	10,200	0	18,200
ETHYL ETHYL ALCOHOL	0001-23-3	71	72	73 B	6.1	1	6	6.1	0	6.1	12,200	0	12,200
BUTYL ALCOHOL	0001-1-36-2	85	86	88 C	1.0	1	6	1.0	0	1.0	2,000	0	2,000
ETHANOL	0000-7-17-5	100	101	102 C	2.0	1	6	2.0	0	2.0	4,000	0	4,000
PHENOL	001-83-95-2	115	116	117 C	.20	1	6	.20	0	.20	400	0	400
ISOPROPYL ALCOHOL	0000-7-63-0	130	131	132 C	1.0	1	6	1.0	0	1.0	2,000	0	2,000

SOLID FUEL TONS/YR			OIL THOUSANDS OF GALLONS/YR			GAS THOUSANDS OF LBS/YR			BTU/CF		APPLICABLE RULE	APPLICABLE RULE
TYPE		%S	TYPE		%S	TYPE		%S			153	154
144	145	146	147	148	149	150	151	152			212	

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT

DATE

David L. Lerner

6/8/87

156 LOCATION CODE	157 FACILITY ID NO	158 UTM (E)	159 UTM (N)	160 SIC NUMBER	161 DATE APPL RECEIVED	162 DATE APPL REVIEWED	163 REVIEWED BY
312300	11167	41115	77115	3479	6/8/87	6/11/87	DL
PERMIT TO CONSTRUCT							
164 DATE ISSUED		165 EXPIRATION DATE		166 SIGNATURE OF APPROVAL		167 FEE	
/ /		/ /		<i>Jim Butcher</i>			
RECOMMENDED ACTION REQUIRED							
169 DATE ISSUED		170 EXPIRATION DATE		171 SIGNATURE OF APPROVAL		172 FEE	
06/25/87		06/01/92		<i>Jim Butcher</i>			
173 INSPECTED BY <i>David L. Lerner</i> DATE <i>6/8/87</i> 2 INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM 3 <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT 4 <input type="checkbox"/> APPLICATION FOR CONSIDERED DATE _____ INITIALED _____							
174 SPECIAL CONDITIONS: 1 <i>NONE</i> 2 3 4 5 6 7 8							

EXHIBIT 10A

COUNTY OF ONONDAGA



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST
SYRACUSE, NEW YORK 13204-1194

NICHOLAS J. PIRRO
COUNTY EXECUTIVE

TEL: 315/435-2260
315/435-6820
FAX: 315/435-5023

JOHN M. KARANIK
COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 36

DATE ISSUED : June 12, 1995

INDUSTRIAL CODE: 29

EXPIRATION DATE: June 12, 1996

SIC : 3471

Pursuant to Article IV, Section 4.01, of the Rules and Regulations Relating to the Use of the Public Sewer System issued by the County of Onondaga, Department of Drainage and Sanitation,

General Super Plating, Inc.

NAME OF COMPANY

is authorized by the Commissioner to discharge industrial wastewater from the industrial facility located at

22 Celi Drive, East Syracuse, New York 13057

ADDRESS OF COMPANY FACILITY DISCHARGING WASTEWATER

to the Metropolitan Syracuse Wastewater Treatment Facility (Metro)

NAME OF RECEIVING TREATMENT PLANT

in accordance with the following conditions:

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I. AUTHORITY

- A. This permit is hereby promulgated by the Commissioner of the Onondaga County Department of Drainage and Sanitation (OCDDS) to regulate the discharge of wastewater, polluted or unpolluted, to the sanitary sewer system, under the authority of **The Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System** (the Rules and Regulations) and the **Onondaga County Administrative Code**.
- B. Article VII of the Rules and Regulations provides that any violation of this permit may subject the permittee to a fine of one thousand dollars per day per violation. In addition, Articles VI and VII of the Rules and Regulations specify other penalties and procedures the Department may employ for any violation of this permit or the Rules and Regulations.

II. PERMITTED WASTEWATER DISCHARGE

- A. The permittee is authorized to discharge the following to the County sewer system:
1. Sanitary Wastewater; and,
 2. Electroless and Electroplating of Precious Metals process wastewaters which have been pretreated to meet all of the applicable effluent limitations detailed in this permit.
- B. **Nomenclature:** Sewer #1 will represent Sanitary Wastewater only. Sewer #2 (pretreatment system effluent) will accept wastewater from the following plating operations:
1. "Big Bertha" automated plating line;
 2. Manual metals plating line;
 3. The Gillete plating line;
 4. Gold plating line;
 5. Zinc phosphating line; and,
 6. Pretreated batch discharges from associated plating operations as outlined in items #1 thru #5 above.
- C. All wastewater discharged to the sanitary sewer system must comply with the effluent limitations set forth in Section IV of this permit and Article III of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System and Section 40, Part 413 of the Code of Federal Regulations (40 CFR 413), unless otherwise indicated in this permit expressly or by implication.

III. PROHIBITED DISCHARGES

- A. In accordance with Article III of the Rules and Regulations, the following shall not be introduced into the Onondaga County sanitary sewer system:
1. Wastewater constituents which by their introduction to the sewer system, cause pass-through (pursuant to Sections 3.01(d), 3.01(f), and 3.01(g));
 2. Wastewater constituents which by their introduction to the sewer system, cause interference (pursuant to Sections 3.01(b), 3.01(d), 3.01(i), and 3.01(j));
 3. Wastewater which has the potential to create a fire or explosion hazard in the publicly-owned treatment works (POTW), including wastewater having a closed-cup flashpoint less than 140°F (pursuant to Section 3.01(a));
 4. Wastewater having a pH lower than 5.5 or higher than 9.5 S.U. (pursuant to Section 3.01(c));
 5. Wastewater constituents which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems (pursuant to Sections 3.01(a), 3.01(d), and 3.01(e)); and,
 6. Batch discharges of unpermitted materials to the sanitary sewer system without prior written approval from the Commissioner. Any request to discharge such wastewater must be submitted in writing to this office and is subject to approval on a case-by-case basis (see section XV.B).
 7. The introduction of wastewater into the sanitary sewer system having a temperature greater than 150 °F or at a quantity such that the temperature at the headworks of the POTW exceeds 104 °F is prohibited (pursuant to Section 3.01(i));
 8. The discharge of non-contact cooling water and other unpolluted wastewater is prohibited (pursuant to Section 3.02).
 9. The discharge of any wastewater that will subject the receiving POTW to reporting and permitting regulations of the Resource Conservation and Recovery Act (RCRA) is prohibited (40 CFR 270.1 (c) and 270.60 (c)).
- B. In addition to the above prohibitions, dilution shall not be used as a substitute for pretreatment.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

- A. Article III Section 3.08 of the Rules and Regulations requires the permittee to comply with 40 CFR Part 413.24 (Electroplating of Precious Metals Subcategory B Discharging More Than 10,000 gal/day - Pretreatment Standards for Existing Sources) pretreatment standards at the point of discharge into Sewer #2.

TABLE I: USEPA 40 CFR 413, Electroplating Discharge Limits

Parameters	Discharge Limitations	
	Daily Maximum for any 1 day (mg/l)	Average of daily values for 4 consecutive monitoring days (mg/l)
Total Silver (Ag)	1.2	0.7
Total Cyanide (T-CN)	1.9	1.0
Total Copper (Cu)	4.5	2.7
Total Nickel (Ni)	4.1	2.6
Total Chromium (Cr)	7.0	4.0
Total Zinc (Zn)	4.2	2.6
Total Lead (Pb)	0.6	0.4
Total Cadmium (Cd)	1.2	0.7
Total Metals (1)	10.5	6.8
Total Toxic Organics (2)	2.13	---

- (1) Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.
- (2) For the purpose of this permit, Total Toxic Organics are defined as detailed in Section XV of this permit.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

- B. The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards at the point of discharge to Sewer #1 and Sewer #2.

TABLE II: Onondaga County Effluent Limitations

Parameter	Discharge Limitation	
	Daily Allowable (mg/l) ³	Instantaneous Allowable (mg/l) ⁴
Total Cadmium (Cd)	2.0	3.0
Total Chromium (Cr)	8.0	12.0
Hexavalent Chromium (Hex-Cr)	4.0	6.0
Total Copper (Cu)	5.0	7.5
Total Lead (Pb)	1.0	1.5
Total Mercury (Hg)	0.02	0.03
Total Nickel (Ni)	5.0	7.5
Total Silver (Ag)	1.0	1.5
Total Zinc (Zn)	5.0	7.5
Total Cyanide (T-CN)	2.0	3.0
Total Phenolic Compounds	3.0	4.5
5-Day Biochemical Oxygen Demand (BOD ₅)	5	5
Total Suspended Solids (TSS)	5	5
Total Kjeldahl Nitrogen (TKN)	5	5
Total Phosphorus (TP)	5	5
Oil and Grease (O&G)	100	150
pH	5.5-9.5 S.U.	5.5 - 9.5 S.U.
Flashpoint	140°F	140°F

³ As determined by a composite sample (as defined by Article II, Section 2.02 of the Rules and Regulations) of the permittee's daily discharge over the operational and/or production period.

⁴ As determined by a grab sample (as defined by Article II, Section 2.02 of the Rules and Regulations) of the permittee's discharge at any time during the daily operational and/or production period.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

5. Permission is hereby granted to exceed the numerical values listed for BOD₅, TSS, TP, TKN contained in Article III, Section 3.07 (Special Conditions) of the Rules and Regulations. An INDUSTRIAL WASTEWATER SURCHARGE based upon percent contribution will be assessed in order to recover costs incurred by the POTW for treatment of the above wastewater constituents (refer to Article V of the Rules and Regulations). The Commissioner reserves the right to place concentration-based or mass-based limitations upon the discharge of the above wastewater constituents in accordance with Section 3.07 of the Rules and Regulations, if deemed necessary.

V. NOTICE OF ACCIDENTAL DISCHARGE

- A. In accordance with Article IV, Section 4.10 of the Rules and Regulations, the permittee shall, at its own expense, provide protection from accidental discharge of prohibited materials to the sanitary sewer system as defined in Section III of this permit and Article III of the Rules and Regulations.
- B. Any wastewater released in accordance with the following conditions and Section V.A. of this permit shall require the permittee to provide notification in accordance with Section V.C of this permit:
- breakdown of industrial waste pretreatment equipment;
 - accident caused by human error or mechanical failure; and
 - other causes, such as acts of nature.
- C. Notification Procedures
1. In the event of any accidental discharge (as defined above), the permittee shall **immediately** notify the operator of the receiving treatment plant and the Commissioner by telephone (435-2260 between the hours of 8:00 am-4:30 pm weekdays and 435-3142 or 435-3182 between the hours of 4:30 pm-8:00 am weekdays or all day on weekends).
 2. In accordance with Article IV, Section 4.10, of the Rules and Regulations, following the telephone notification, the Commissioner shall be notified **in writing** within five (5) days. Said written notification shall include the following information.
 - a. The cause of the accidental discharge;
 - b. a description of the accidental discharge;
 - c. anticipated time the condition is expected to continue, or if such condition has been corrected, the duration of the period of accidental discharge;
 - d. steps taken by the permittee to reduce and/or eliminate the discharge; and
 - e. steps to be taken by the permittee to prevent recurrence of the condition which caused the accidental discharge.
- D. Nothing in this section of the permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit or the Rules and Regulations (Article VII Enforcement and Penalties).

VI. CHANGE IN WASTEWATER DISCHARGE

- A. In accordance with Article III Section 3.12 of the Rules and Regulations, the permittee shall notify the POTW in advance of any change in the volume or characteristics of wastewater discharge practices not explicitly permitted under Section II.
- B. All discharges authorized herein shall comply with the terms and conditions of this permit.
- C. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations.
- D. This permit may be modified to specify and limit any new or increased pollutant discharges.

VII. TRANSFER OF OWNERSHIP CONTROL

- A. At least thirty (30) days prior to any change in the ownership of the industrial facilities from which the authorized discharges emanate, the permittee must notify this office in writing of the pending transfer.
- B. The current owner shall then notify the succeeding owner or controller of the existence of this permit by letter, with a copy of the permit enclosed. In addition, notification of the impending transfer must be made to this office by a copy of the letter.
- C. The new owner must acknowledge receipt of the letter and the conditions and provisions of the discharge permit in writing to the previous owner and to this department.
- D. Once this office is notified of the transfer of the title, the Commissioner will provide written permitting procedures for the new owners.

VIII. RIGHT OF ENTRY

- A. In accordance with Article IV, Section 4.08, of the Rules and Regulations, the permittee shall allow duly authorized employees or representatives of the County to enter the permittee's premises at all reasonable times for the purpose of inspection, observation, flow measurement, sampling and testing.
- B. In accordance with Article VII, Section 7.05 of the Rules and Regulations, the permittee shall allow duly authorized employees of the County to enter the permittee's premises without delay for purposes of investigating any condition or activity which in the Commissioner's (or his designee's) judgement presents an imminent danger to the public health, safety or welfare, or to the environment, or is likely to result in damage to the public sewer system.

IX. COUNTY MONITORING

- A. The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the County according to schedules established by this office.
- B. The County monitoring effort does not in any way relieve the permittee of any of the self-monitoring requirements contained in Section XV of this permit.
- C. Composite and/or grab samples will be collected whenever possible over the production day including clean-up periods.
- D. The flow (in gallons per day) shall be measured during each sampling period. Water use records may be substituted in place of flow measurement.
- E. Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of this office as supplemental data to evaluate compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.
- F. All samples shall be collected in accordance with the procedures set forth by the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH-ELAP) and/or Title 40 Part 136 of the Code of Federal Regulations (40 CFR 136).
- G. All analyses shall be performed by a NYSDOH certified laboratory in accordance with USEPA approved analytical methods (40 CFR 136) as stated in the latest approved edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

X. PRETREATMENT FACILITIES

- A. The permittee shall provide and maintain industrial wastewater pretreatment facilities at its expense pursuant to Article IV, Section 4.09, of the Rules and Regulations.
- B. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee prior to implementation.

XI. PERMIT MODIFICATIONS

- A. In accordance with Article IV of the Rules and Regulations this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:
1. violation of any of the terms or conditions of this permit, or the Rules and Regulations;
 2. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;
 3. a pretreatment, effluent, or toxic effluent standard being established under any local, state, or federal law for any pollutant which is present in the permittee's discharge where said standard or prohibition is more stringent than the limitation for the pollutant in this permit or the Rules and Regulations;
 4. failure to make payments of the Industrial Waste Surcharge; and/or,
 5. failure to supply information to this office in accordance with Article IV, Section 4.03 (Permit Conditions) of the Rules and Regulations.

XII. MONITORING FACILITIES

- A. In accordance with Article IV, Section 4.07, of the Rules and Regulations, if there are inadequate provisions for the collection of representative wastewater samples and accurate discharge flow measurements, this office may require that an adequate monitoring facility be installed by the permittee at its own expense.
- B. The monitoring facility must be approved by this office before installation.
- C. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. WASTE MATERIAL DISPOSAL

- A. Any screenings, sludges, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge or generated as a result of the wastewater treatment process shall be disposed of in such a manner as to prevent entry of such materials into navigable waters, ground water, storm drains, and the sanitary sewer system.
- B. The following information regarding the disposal of waste materials, as defined above, shall be reported to the County of Onondaga in conjunction with annual reporting to the NYSDEC and the USEPA. Submitted data must include the following information.
1. List the source(s) of materials to be disposed of.
 2. Describe the nature of the waste (hazardous or non-hazardous).
 - a. If nonhazardous, describe the waste and how it is created.
 - b. If hazardous, provide the 40 CFR Part 261, Subpart C designation for the waste removed (i.e. characteristic waste, listed waste or a mixture). If it is listed, provide the F,K,P or U listing for the waste material removed.
 - c. List the facility's hazardous waste generator identification number.
 3. Include the approximate volumes and weights of each waste material disposed of.
 4. Describe the method by which the wastes were removed and transported.
 5. Report the company contracted to remove such materials and the final disposal or recovery location.

XIV. COMPUTATION AND PAYMENT OF INDUSTRIAL WASTE SURCHARGE

- A. The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.
- B. These charges shall be computed by this office using the formulae in Article V, Section 5.02, of the Rules and Regulations.
- C. Payments shall be made to the County of Onondaga by the permittee no less often than annually unless prior written approval has been granted by the Commissioner.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

A. SELF-MONITORING REPORT SCHEDULE

1. The permittee shall submit Self-Monitoring Reports in accordance with the schedule detailed in Table III. Failure to submit the Self-Monitoring Report (SMR) by the due date specified in Table III shall subject the permittee to the fines and penalties prescribed under Article VII of the Rules and Regulations.

TABLE III: SELF MONITORING REPORT SCHEDULE FOR 1995 - 1996

Period Covered		Date Report is Due
Beginning	Ending	
January 1	January 31	February 28
February 1	February 28	March 30
March 1	March 31	April 30
April 1	April 30	May 30
May 1	May 31	June 30
June 1	June 30	July 30
July 1	July 31	August 30
August 1	August 31	September 30
September 1	September 30	October 30
October 1	October 31	November 30
November 1	November 30	December 30
December 1	December 31	January 30

2. The SMR must be submitted on the forms provided in Appendix A. Supplemental information, explanations, or clarifications may be provided in addition to the supplied forms. **Official laboratory reports, calibration reports, and/or waste material disposal manifests (or copies thereof) must be included as attachments to the SMR.**

B. SELF-MONITORING REPORT REQUIREMENTS

The SMR shall include the following:

1. **Laboratory Analysis (Forms B1 & B2)**
 - a. During the months of March, June, September, and December, the permittee shall have independent samples collected from Sewer #1 and analyzed by a New York State Department of Health Certified Laboratory for all parameters listed in Table IV.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

- b. Each SMR shall contain the results of laboratory analysis, performed by the permittee, of wastewater samples from Sewer #2 for the parameters listed in Table V. During the months of March, June, September and December, the permittee shall have independent samples collected (from Sewer #2) and analyzed by a New York State Department of Health Certified Laboratory. The periods of sample collection shall coincide with sampling conducted by the permittee. The permittee shall then offer a comparison of the results of both sets of data in the corresponding monthly SMR.
- c. Samples to be collected on more than one day per reporting period must be collected on consecutive days typical of normal production unless otherwise indicated.
- d. All analyses must be conducted in accordance with the methodologies detailed in 40 CFR 136 and amendments thereto.
- e. Copies of official laboratory reports, including chain of custody (COC) records, must be included with each SMR.
- f. The contract laboratory must be certified by the New York State Department of Health (NYSDOH) for each parameter analyzed.
- g. Each SMR must include a summary of sampling and analytical methodologies employed (attach to SMR forms). Note that composite samples must be collected at a minimum rate of one sample aliquot every thirty (30) minutes.
- h. The concentration of any parameter analyzed for shall not exceed the effluent limitations detailed in Section IV of this permit or any other applicable local, state, or federal standards.
- i. For the purpose of this permit, total toxic organics is currently defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride	Tetrachloroethene
Benzene	1,2 Dichloroethane
Toluene	Trans 1,2 Dichloroethene
Chloroform	Carbon Tetrachloride
Xylenes	1,1,1 Trichloroethane
Ethylbenzene	1,1,2 Trichloroethane
Trichloroethene	1,1 Dichloroethane

- (1) The County must be notified in writing if any of the 126 USEPA Priority Pollutants (see Appendix B) not included on this list are to be discharged to the sewer system. The County must be notified in order to evaluate the impact of such a discharge (pursuant to Section VI of this permit).
- (2) The above list is subject to change in order to reflect additional pollutants of concern in the permittee's wastewater.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)**TABLE IV: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996**

Discharge Location	Parameters	Minimum Frequency of Analysis	Type of Sample
Sewer #1 (Sanitary Effluent)	BOD ₅	3 days/report	Composite
	Total Suspended Solids (TSS)	3 days/report	Composite
	Total Phosphorus (TP)	3 days/report	Composite
	Total Kjeldahl Nitrogen (TKN)	3 days/report	Composite
	Cyanide, Total (T-CN)	3 days/report	Grab
	Amenable Cyanide (CN-A)	3 days/report	Grab
	Oil & Grease (O&G)	3 days/report	Grab
	Closed-Cup Flashpoint	1 day/report	Grab
	Total Chromium (Cr)	3 days/report	Composite
	Total Molybdenum (Mo)	3 days/report	Composite
	Total Lead (Pb)	3 days/report	Composite
	Total Zinc (Zn)	3 days/report	Composite
	Total Nickel (Ni)	3 days/report	Composite
	pH	3 days/report	Continuous Recording

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)**TABLE V: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996**

Discharge Location	Parameters	Minimum Frequency of Analysis	Type of Sample
Sewer #2 (Pretreatment Facility Effluent)	Total Cadmium (Cd)	3 times/biweekly	Composite
	Total Chromium (Cr)	3 times/biweekly	Composite
	Total Copper (Cu)	3 times/biweekly	Composite
	Total Cyanide (T-CN)	3 times/biweekly	Grab
	Total Lead (Pb)	3 times/biweekly	Composite
	Total Nickel (Ni)	3 times/biweekly	Composite
	Total Silver (Ag)	3 times/biweekly	Composite
	Total Zinc (Zn)	3 times/biweekly	Composite
	Total Metals (6)	3 times/biweekly	Composite
	pH (Standard Units)	3 times/biweekly	Instantaneous/ Grab
	pH (Standard Units)	daily	Continuous Recording See Section XV.B.2
	Flow	daily	Continuous Recording See Section XV.B.3
	Total Toxic Organics (TTOs)	2 times/year (June & December)	Grab
	Oil & Grease (O&G)	2 times/year (June & December)	Grab
	Closed-Cup Flashpoint	2 times/year (June & December)	Grab
	Phenolic Compounds	2 times/year (June & December)	Grab

(6) Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

TABLE V: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996

Discharge Location	Parameters	Minimum Frequency of Analysis	Type of Sample
Sewer #2 (Pretreatment Facility Effluent)	Total Cadmium (Cd)	3 times/biweekly	Composite
	Total Chromium (Cr)	3 times/biweekly	Composite
	Hexavalent Chromium (Hex-Cr)	3 times/biweekly	Composite
	Total Copper (Cu)	3 times/biweekly	Composite
	Total Cyanide (T-CN)	3 times/biweekly	Grab
	Amenable Cyanide (CN-A)	3 times/biweekly	Grab
	Total Lead (Pb)	3 times/biweekly	Composite
	Total Nickel (Ni)	3 times/biweekly	Composite
	Total Silver (Ag)	3 times/biweekly	Composite
	Total Zinc (Zn)	3 times/biweekly	Composite
	Total Metals (6)	3 times/biweekly	Composite
	pH (Standard Units)	3 times/biweekly	Instantaneous/ Grab
	pH (Standard Units)	daily	Continuous Recording See Section XV.B.2
	Flow	daily	Continuous Recording See Section XV.B.3
	Total Toxic Organics (TTOs)	2 times/year (June & December)	Grab
	Oil & Grease (O&G)	2 times/year (June & December)	Grab
	Closed-Cup Flashpoint	2 times/year (June & December)	Grab
	Phenolic Compounds	2 times/year (June & December)	Grab

(6) Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

2. pH Monitoring

- a. At Sewer #2, pH recorder charts must be submitted with each SMR for the three days of self-monitoring. The charts must be clearly labeled with date, time, and scale. **Instantaneous pH at the time of sampling must also be noted.**
- b. Daily pH records must also be submitted with each SMR for each day upon which a violation of the County pH limitation (see Section IV of this permit) occurred. Daily pH records must be clearly labeled as to the date, time, and scale of each chart. Records of pH violations must be accompanied by an explanation as to why the violation occurred and the corrective measures taken (Form G).

3. Flow Monitoring (Form C1 & C2)

- a. Report the total amount of water consumed at the permitted facility during each reporting period. In addition to purchased water, include the amount of water drawn from private sources (wells, streams, etc.). See Form A.
- b. Include a summary of the total daily amount of water (gpd) and average flowrate (gpm) of wastewater discharged to Sewer #1 for each day of the three day testing period (Form C1). Include a summary of the total daily amount of water (gpd), average flowrate (gpm), and maximum flowrate (gpm) of wastewater discharged to Sewer #2 for each day of the reporting period (Form C2).
- c. Include an estimate of water consumed but not discharged to the sanitary sewer system (non-sewer usage) detailed as follows (Form A):
 - (1) Boiler make-up;
 - (2) Evaporation losses;
 - (3) Off-site disposal (refer to Section XIII of this permit);
 - (4) Other (specify).

4. Batch Discharge Procedures (Form D)

- a. Each SMR shall include a summary of all batch discharges. Incorporate the following information:
 - (1) The approximate quantity in gallons of each batch discharge, including batch discharge number;

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

- (2) source of the discharge;
- (3) the date of each batch discharge; and
- (4) each entry must be signed by an authorized representative.

5. Waste Material Disposal

In accordance with the provisions of Section XIII of this permit, each self-monitoring report must contain information regarding the handling and disposal of waste materials removed from the permittee's wastewater. The information must be documented on **Form E**.

6. Equipment Calibration

Each SMR must include the results of equipment calibration (**Form F**).

- a. Flow monitoring equipment calibration must be conducted at least once per quarter by a qualified third-party technician.
- b. pH monitoring equipment must be calibrated at least once per quarter by a qualified third-party technician.
- c. Each calibration summary must contain the written results of the calibration.
 1. Include the date of calibration;
 2. The amount of drift detected; and,
 3. The signature and title of the person performing the calibration and certifying the accuracy of the results.
- d. The permittee shall adhere to the equipment manufacturer's specifications and guidelines for calibrating all flow and pH monitoring equipment.

7. A Toxic Chemical Release Inventory Reporting Form (**EPA Form R**) shall be included in the September 1995 SMR.

8. Operating Days

Report the number of days when the facility was in operation during the reporting period (**Form A**). For the purpose of this permit, "operation" shall mean any day on which the wastewater discharged differs in strength and/or concentration from that of a domestic user.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

9. Number of Employees

Report the number of people employed during each reporting period (Form A).

10. Compliance Certification

Each Self-Monitoring Report requires a statement that compliance with all applicable effluent limitations has been maintained throughout the reporting period (SMR Form A). If the permittee fails to maintain compliance the permittee must adhere to the following requirements.

- a. The permittee must include a written report which includes a description of the cause of the noncompliance and information as to what additional operation and maintenance and/or pretreatment equipment is necessary to return to and maintain consistent compliance.
- b. The permittee is required to notify the County immediately upon becoming aware of a self-monitoring violation.
- c. The permittee shall provide, upon request by the County, any information deemed necessary by the Commissioner.
- d. The permittee must repeat sampling for all parameters exceeding applicable discharge limitations. The permittee shall submit the results of the repeat analysis within thirty (30) days of becoming aware of the violation. Note that the results of the repeat analysis may be submitted separately in order to avoid submitting a late Self-Monitoring Report.

11. Certification Statement (Form A)

- a. Each self-monitoring report must contain a statement certifying its accuracy.
- b. Each self-monitoring report must contain a certification statement that methods for sampling and analyses conform to the methodology contained in 40 CFR Part 136 (Guidelines Establishing Test Procedures for the Analysis of Pollutants).
- c. Each self-monitoring report must contain a statement certifying that the permittee is in full compliance with all effluent limitations as stated in this permit or follow the procedures for reporting and abating non-compliant discharges as detailed in Section XV.B.10 of this permit.

XVI.RECORD KEEPING

- A. Records of all information resulting from self-monitoring activities as required above, or any other discretionary self-monitoring, shall be maintained for a minimum of three (3) years. The required record keeping period may be extended during the course of unresolved litigation or by order of this department.
- B. Records shall be made available immediately upon request for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVII.AVAILABILITY OF BUSINESS RECORDS TO DISCLOSURE

- A. The New York State Freedom of Information Law (FOIL) provides the public with access to government records, as do subpoenas for County records made relative to litigation. Therefore, information submitted to Onondaga County Department of Drainage and Sanitation (OCDDS) by a commercial enterprise may be subject to public disclosure unless it falls within a protected category or is otherwise nondisclosable pursuant to state or federal law.
- B. Certain business information may be considered confidential if it concerns trade secrets or information which, if disclosed, would injure the competitive position of a business. This information which is obtained by OCDDS in the course of regulating use of the County sewer system may be protected from disclosure via FOIL requests. To do so, an assertion of confidentiality must be made at the time information is received by OCDDS using OCDDS guidelines. If no such request is made by a commercial enterprise, all information will be made available to the public by OCDDS upon receipt of a FOIL request. Guidelines for the assertion of a confidentiality claim may be obtained upon request to OCDDS.

XVIII. SIGNATORY REQUIREMENTS

- A. All reports and correspondence submitted by the permittee in accordance with this permit must be signed by an authorized representative. The authorized representative of the user shall be an individual who is:
1. A responsible corporate officer if the Industrial User is a corporation. A responsible corporate officer may include the president, the secretary, the treasurer or vice president in charge of a principal business function or any other person performing a similar policy or decision making function.
 2. The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures which equal or exceed 25,000,000 dollars and who is duly authorized by a resolution of the corporation to submit such reports on behalf of the corporation.
 3. A general partner or proprietor if the Industrial User is a partnership or sole proprietorship.
 4. A duly authorized representative of an individual described in 1 or 2 of this section if the authorization is made in writing by that individual.
- B. The permittee shall notify the Department in writing within three business days of any changes regarding the authorization to sign and certify reports submitted pursuant to this permit.

XIX. AUTHORIZATION

- A. This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee.
- B. This permit shall expire on June 12, 1996. The permittee shall not discharge after the date of expiration without prior written permission from this office.
- C. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by this office.
1. Where a permit has been issued for a term of eighteen months or less, the permittee shall apply for renewal of that permit no later than ninety (90) days prior to the date on which the permit is scheduled to expire.
 2. Where a permit has been issued for a period of more than eighteen months, the permittee shall apply for renewal of that permit no later than one hundred and eighty (180) days prior to the date on which the permit is scheduled to expire.

6/15/95

DATE

By the authority of

John M. Karanik

SIGNATURE

JOHN M. KARANIK
COMMISSIONER

Appendix A: Self-Monitoring Report Forms

Appendix B:
USEPA 126 Priority Pollutants

USEPA Priority Pollutants

Acenaphthene
Acrolein
Acrylonitrile
Benzene
Benzidine

Carbon tetrachloride
(tetrachloromethane)
Chlorobenzene
1,2,4-trichlorobenzene
Hexachlorobenzene
1,2-dichloroethane

1,1,1-trichloroethane
Hexachloroethane
1,1-dichloroethane
1,1,2-trichloroethane
1,1,2,2-tetrachloroethane

Chloroethane
Bis(2-chloroethyl) ether
2-chloroethyl vinyl ether (mixed)
2-chloronaphthalene

2,4,6-trichlorophenol
Parachlorometa cresol
Chloroform (trichloromethane)
2-chlorophenol
1,2-dichlorobenzene

1,3-dichlorobenzene
1,4-dichlorobenzene
3,3-dichlorobenzidine
1,1-dichloroethylene
1,2-trans-dichloro-ethylene

2,4-dichlorophenol
1,2-dichloropropane
1,2-dichloropropylene (1,3-dichloropropene)
2,4-dimethylphenol
2,4-dinitrotoluene

2,6-dinitrotoluene
1,2-diphenylhydrazine
Ethylbenzene
Fluoranthene
4-chlorophenyl phenyl ether

4-bromophenyl phenyl ether
Bis(2-chloroisopropyl) ether
Bis(2-chloroethoxy) methane
Methylene chloride (dichloromethane)
Methyl chloride (dichloromethane)

Methyl bromide (bromomethane)
Bromoform (tribromomethane)
Dichlorobromomethane

Chlorodibromomethane
Hexachlorobutadiene
Hexachloromyclopentadiene
Isophorone
Naphthalene

Nitrobenzene
2-nitrophenol
4-nitrophenol
2,4-dinitrophenol
4,6-dinitro-o-cresol

N-nitrosodimethylamine
N-nitrosodiphenylamine
N-nitrosodi-n-propylamine
Pentachlorophenol
Phenol

Bis(2-ethylhexyl) phthalate
Butyl benzyl phthalate
Di-N-Butyl Phthalate
Di-n-octyl phthalate
Diethyl Phthalate

Dimethyl phthalate
1,2-benzanthracene (benzo(a))
anthracene
Benzo(a)pyrene (3,4-benzo-pyrene)
3,4-Benzofluoranthene (benzo(b)
fluoranthene)
11,12-benzofluoranthene (benzo(b)
fluoranthene)

Chrysene
Acenaphthylene
Anthracene
1,1,2-benzoperylene
(benzo-(ghi)perylene)

Fluorene

Phenanthrene
1,2,5,6-dibenzanthracene (dibenzo(,h)
anthracene)
Indeno (,1,2,3-cd) pyrene (2,3-o-
pheynylene pyrene)
Pyrene
Tetrachloroethylene

Toluene
Trichloroethylene
Vinyl chloride (chloroethylene)
Aldrin
Dieldrin

Chlordane (technical mixture and
metabolites)
4,4-DDT
4,4-DDE (p,p-DDX)
4,4-DDD (p,p-TDE)
Alpha-endosulfan

Beta-endosulfan
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor

Heptachlor epoxide (BHC-
hexachlorocyclohexane)
Alpha-BHC
Beta-BHC
Gamma-BHC (lindane)
Delta-BHC (PCB-polychlorinated
biphenyls)

PCB-1242 (Arochlor 1242)
PCB-1254 (Arochlor 1254)
PCB-1221 (Arochlor 1221)
PCB-1232 (Arochlor 1232)
PCB-1248 (Arochlor 1248)

PCB-1260 (Arochlor 1260)
PCB-1016 (Arochlor 1016)
Toxaphene
Antimony
Arsenic

Beryllium
Cadmium
Chromium
Copper

Cyanide, Total
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
2,3,7,8-tetrachloro-dibenzo-p-dioxin
(TCDD)

COUNTY OF ONONDAGA



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST
SYRACUSE, NEW YORK 13204-1194
478-3755 - 425-2260

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN M. KARANIK
COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 37

DATE ISSUED : December 16, 1987

INDUSTRIAL CODE: 29

EXPIRATION DATE: December 16, 1990

SIC : 3471

Pursuant to Article IV, Section 4.01, of the Rules and Regulations Relating to the Use of the Public Sewer System issued by the County of Onondaga, Department of Drainage and Sanitation,

General Super Plating Company, Inc.

NAME OF COMPANY

is authorized by the Commissioner to discharge industrial wastewater from the industrial facility located at

22 Celi Drive Syracuse, New York 13057

ADDRESS OF COMPANY FACILITY DISCHARGING WASTEWATER

to the Metropolitan Syracuse Wastewater Treatment Facility

NAME OF RECEIVING TREATMENT PLANT

in accordance with the following conditions:

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

1. Sanitary Wastewater
2. Electro/Electroless Plating Process wastewater which has been treated to comply with pretreatment standards specified in this permit.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interference with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards. Section 3.08 of the Onondaga County Rules and Regulations requires the permittee to comply with USEPA pretreatment standards if they are more stringent than county effluent limitations.

- (A) USEPA 40 CFR Part 413 Electroplating Pretreatment Standards for facilities discharging 10,000 gallons or more per day.

PARAMETERS

DISCHARGE LIMITATIONS

DAILY MAXIMUM (mg/l)

MAXIMUM 4 DAY AVERAGE (mg/l)

Cyanide, Total (CN-T)	1.9	1.0
Copper (Cu)	4.5	2.7
Nickel (Ni)	4.1	2.6
Chromium (Cr)	7.0	4.0
Zinc (Zn)	4.2	2.6
Lead (Pb)	0.6	0.4
Cadmium (Cd)	1.2	0.7
Total Metals*	10.5	6.8
Total Toxic Organics#	2.13	---

*Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

#Total toxic organics is defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride
1,2 Dichloroethane
Chloroform
1,1,1 Trichloroethane
1,1,2 Trichloroethane
Trichloroethylene

Tetrachloroethylene
Freon
Carbon Tetrachloride
Benzene
Toluene
Xylenes

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

(B) Onondaga County Effluent Limitations at the point of discharge to the County sewer system.

<u>PARAMETERS</u>	<u>DISCHARGE LIMITATIONS</u>	
	<u>INSTANTANEOUS (1)</u> <u>ALLOWABLE (mg/l)</u>	<u>DAILY (2)</u> <u>ALLOWABLE (mg/l)</u>
Cadmium (Cd)	3.0	2.0
Chromium, Total (Cr)	12.0	8.0
Copper (Cu)	7.5	5.0
Cyanide, Total (CN)	3.0	2.0
Lead (Pb)	1.5	1.0
Nickel (Ni)	7.5	5.0
Silver (Ag)	1.5	1.0
Zinc (Zn)	7.5	5.0

- (1) As determined by a grab sample taken of the permittee discharge at any time during the daily operational and/or production period.
- (2) As determined by a composite sample taken of the permittee daily discharge over the operational and/or production period.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4.10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- (1) Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII-Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

<u>DISCHARGE LOCATION</u>	<u>PARAMETERS</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>	<u>TYPE OF SAMPLE</u>
Sewer #2	Biochemical Oxygen	16 times/year	Composite
Pretreatment	Demand (BOD)		
Plant	Total Suspended	16 times/year	Composite
Outfall	Solids (TSS)		
	Total Phosphorus (TP)	16 times/year	Composite
	pH	16 times/year	Composite
	Cadmium (Cd)	16 times/year	Composite
	Chromium (Cr)	16 times/year	Composite
	Copper (Cu)	16 times/year	Composite
	Total Cyanide (CN-T)	16 times/year	Composite
	Lead (Pb)	16 times/year	Composite
	Nickel (Ni)	16 times/year	Composite
	Zinc (Zn)	16 times/year	Composite
	Total Toxic Organics (TTO)	once/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX. TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. During the months of June and December of each year the following data regarding the disposal of pretreatment process sludge shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

- (a) By January 1, 1988 the permittee shall be in compliance with the County effluent limitations and USEPA 40 CFR Part 413 Electroplating Pretreatment Standards detailed on pages 3 and 4 of this permit.

Failure to meet this date may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

In accordance with 40 CFR 403.12(e), the permittee shall submit a Periodic Report to the county during the months of June and December of each year. Detailed herein are reporting requirements for industrial users subject to the Electroplating and Metal Finishing Pretreatment Standards (40 CFR Part 413 and/or Part 433). Failure to submit the Periodic Report shall subject the industrial user to the fines and penalties prescribed under Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. The permittee must submit a Periodic Report which shall comply with and include the following:

1. A listing of the nature and concentration of all regulated pollutants in the facility's regulated process waste streams.
 - a. Each sample must be analyzed for all regulated pollutants detailed under Section III on pages 3 and 4 of this permit.
 - b. The sampling and analytical data submitted shall consist of self-monitoring data for the regulated process waste stream.
 - c. Samples shall be collected for three (3) consecutive days typical of normal production.
 - d. Samples shall be collected in accordance with the methods outlined in the regulations. Note that the sample interval for composite samples must not exceed a frequency of one sample every thirty (30) minutes.
 - e. All analyses must be performed by a NYSDOH certified laboratory.
2. A summary of the daily flow rates for the regulated process waste streams including both the daily average and the daily maximum flow rate for each sampling event.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for each regulated process wastestream. The June Periodic Report shall contain March and June equipment calibration checks. The December Periodic Report shall contain the September and December equipment calibration checks.
4. A summary of the methods used by the permittee to sample and analyze the data and a certification that these methods conform to the outlined in the regulations.
5. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
6. The report must include data on sampling and analysis for the toxic organic compounds listed in the federal regulations. If the permittee wishes to certify that the facility does not discharge toxic organics, an industrial toxic pollutant management plan must be approved by the Commissioner. The elements of the industrial toxic pollutant management plan which must be addressed and submitted are detailed in Section XVI on page 11, of this permit.
7. The report must be signed by an authorized representative of the permittee.

XVI. INDUSTRIAL TOXIC POLLUTANT MANAGEMENT PLAN

A toxic pollutant management plan must be approved by the Commissioner if the permittee wishes to certify that the facility does not discharge toxic organic compounds in lieu of conducting toxic organic sampling and analysis. The elements which must be addressed in the toxic organic management plan are detailed herein.

1. Identify all sources (or potential sources) of toxic organics by submitting:
 - a. A wastewater flow diagram which clearly identifies all possible wastewater sources;
 - b. A list of the raw materials used in the industrial processes, including chemical additives, water treatment chemicals and cleaning agents. Identify the wastewater stream that each material potentially enters;
 - c. The method of disposal for toxic organic compounds used must be specified.
 - d. The procedures for assuring that toxic organic compounds do not spill or leak into the waste stream must be detailed.
 - e. A comparison of the toxic organic compounds found in the effluent and selection of the most probable source; and
 - f. An evaluation of any toxic organics found in the effluent, but not on the raw materials list and a determination of those formed as reaction products or by-products.
2. Evaluate the various control options explored, for example: in-plant process modification, chemical substitution, partial or complete recycling, chemical reuse, neutralization, ion exchange, or operational changes.
3. Evaluate the effectiveness of control options employed in meeting the industrial effluent limits. If the permittee is not in compliance with the effluent standard, the permittee must choose a control option and the projected schedule for achieving compliance.
4. The permittee must obtain the approval of this department, as the pretreatment program Control Authority, to implement the plan for achieving compliance.

XVII. RECORD KEEPING

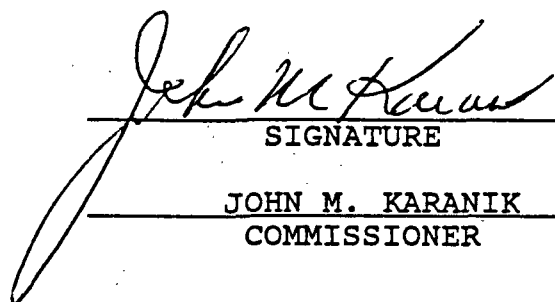
Records of all information resulting from self-monitoring activities shall be maintained for a minimum of three (3) years in accordance with 40 CFR 403.12(n). These records shall be available for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVIII. AUTHORIZATION AND AGREEMENT

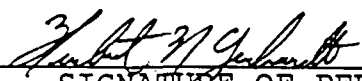
This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee. This permit shall expire three (3) years from the date of issuance. The permittee shall not discharge after the date of expiration. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system beyond the date of expiration, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by the Commissioner no later than 120 days prior to the expiration date.

12/31/87
DATE

By the authority of


SIGNATURE
JOHN M. KARANIK
COMMISSIONER

I hereby agree to comply with the terms, conditions and requirements of this permit.

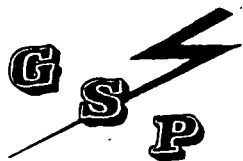

SIGNATURE OF PERMITTEE OR
AUTHORIZED REPRESENTATIVE

23 Dec 87
DATE

HERBERT N. GENHARDT
PRINTED NAME OF PERSON SIGNING

PRES
TITLE

EXHIBIT 10A-1



GENERAL SUPER PLATING CO., INC.

5762 CELI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

May 26, 1995

Ms. Sandy Bell-Touri
County of Onondaga Department of
Drainage and Sanitation
650 Hiawatha Boulevard West
Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report
General Super Plating Co., Inc.
Wastewater Discharge Permit #36
5762 Celi Drive
East Syracuse

Dear Ms. Bell-Touri:

Enclosed please find a completed Self-Monitoring Report for the month of April, 1995 for our General Super Plating Company, Inc. facility located at 5762 Celi Drive, East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consists of the following items:

- Form A: Analytical Data for Sewer #2
- Form C: Water Use Data for Sewer #2, and Maximum Daily Flow Rates
- Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- Form F: Equipment Calibration Summary
- Form G: pH Monitoring

Additionally, a brief summary of recent changes in our waste treatment system is included with this report.

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

William "Woody" Southwell

Vice President/General Manager

Attachments

G.S.P. (Celi Dr.) Co. Inc.
Self Monitoring Report

Period Covered: April 1st to April 30th, 1995

Date Due: May 31st, 1995 Date Submitted: May 30, 1995

Sampling Methodologies: Grab (Y/N): Y Composite (Y/N): Y

Preservation Techniques Used (Y/N): Y

Explain Sampling Methodologies: See Discharge Monitoring Report (SMR)

Water Usage During Reporting Period (gallons): 2,077,050

Source(s): Water Meter

Water Consumed and not Discharged to the Sanitary Sewer System:

Part of Product: _____ Boiler Make-Up: _____

Evaporation: 13,800 SPDES: _____

Off-Site Disposal: _____ Other (specify): _____

Number of Operating Days: 23 Number of Employees: 130

Do the Monitoring Results Show Consistent Compliance (Y/N): Y

(If No, attach additional sheets for explanation. Refer to Section XV.B.8)

Certification: I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that sampling and analytical methodologies employed during the collection of data required for this submission conform to accepted methods established by the United States Environmental Protection Agency (USEPA) and/or the New York State Department of Health (NYSDOH).

Signature of Preparer: William Southwell

William Southwell

Title: Vice President/General Manager

Form A: Analytical Data for Sewer #2 (Process Wastewater)								
Parameter	Effluent Limitation	Week #1			Week #2			Avg.
		Day 1 Date:	Day 2 Date:	Day 3 Date:	Day 1 Date:	Day 2 Date:	Day 3 Date:	
		4/3/95	4/4/95	4/5/95	4/17/95	4/18/95	4/19/95	
Cd (mg/l)	1.2	0.03	0.04	0.02	0.03	0.02	0.04	0.03
Cr (mg/l)	7.0	0.1	0.1	0.1	0.1	0.4	0.1	0.15
Hex-Cr (mg/l)	4.0	-	-	-	-	-	-	-
Cu (mg/l)	4.5	0.1	0.1	0.1	0.2	0.2	0.1	0.13
T-CN (mg/l)	1.9	0.03	0.03	0.04	0.04	0.03	0.02	0.03
CN-A	----	-	-	-	-	-	-	-
Pb (mg/l)	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ni (mg/l)	4.1	0.7	0.7	0.7	0.9	0.7	0.6	0.72
Ag (mg/l)	1.2	0.02	0.03	0.02	0.02	0.03	0.02	0.02
Zn (mg/l)	4.2	0.05	0.03	0.05	0.03	0.05	0.04	0.04
Total Metals (mg/l)	10.5	0.95	0.93	0.95	1.23	1.35	0.84	1.04
pH (S.U.)	5.5 - 9.5	See Section XV, Part B.3						
TTO's (mg/l)	2.13	Attach official laboratory report						
O & G (mg/l)	150	Attach official laboratory report						
Flashpoint	140°F	Attach official laboratory report						
Phenols (mg/l)	4.5	Attach official laboratory report						

**** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part B.1.**

Form C: Water Use Data for the Month of April 1995 for Sewer #2

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	62,610	24.0	2609
2	-	-	-
3	93,820	24.0	3909
4	93,710	24.0	3905
5	101,290	24.0	4220
6	103,960	24.0	4332
7	90,000	24.0	3750
8	54,240	22.5	2411
9	-	-	-
10	94,860	24.0	3953
11	92,880	22.5	4123
12	99,290	24.0	4137
13	99,840	23.0	4341
14	-	-	-
15	-	-	-
16	-	-	-
17	97,130	24.0	4047
18	104,370	24.0	4349
19	97,560	24.0	4065
20	101,990	23.0	4434
21	99,900	24.0	4163
22	57,680	22.5	2564
23	-	-	-
24	98,460	23.5	4190
25	96,240	24.0	4010
26	108,950	24.0	4540
27	101,390	24.0	4225
28	96,410	24.0	4017
29	30,470	9.75	3125
30	-	-	-
31	-	-	-

Form C: Water Use Data for the Month of April 1995 for Sewer #2

Date	Maximum Flow Rate (gpm) per day		
1	80		
2	-		
3	89.6		
4	94.4		
5	94.4		
6	96.0		
7	99.2		
8	75.2		
9	-		
10	99.2		
11	91.2		
12	91.2		
13	96.0		
14	-		
15	-		
16	-		
17	91.2		
18	100.8		
19	92.8		
20	97.6		
21	00.2		
22	70.4		
23	-		
24	94.4		
25	97.6		
26	100.8		
27	100.8		
28	96.0		
29	72.0		
30	-		
31	-		

Form E: Waste Material Disposal Summary
(attach manifests where appropriate)

Date	4/26/95	4/4/95		
Waste Material	Electroplating Sludge	Gold Cathode & Gold Ion Exch. Resin		
Quantity	23 Cy	35 Lbs.		
Hazardous (Y/N)	Y	Y		
USEPA/NY Classification	F006	F007 D002		
Method of Disposal and Carrier	Delisting: Delvecchio Trans.	Reclamation: RFE Industries, Inc.		
Facility's Hazardous Waste Generator I.D. Number	NYD982721656	NYD982721656		
How Created (if non- hazardous)				

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.2. Page 1
ofInformation in the shaded areas
is not required by Federal law
but is required by State law.

3. Generator's Name and Mailing Address

GENERAL SUPER PLATING CO. INC.

5762 CELI DRIVE, EAST SYRACUSE, N.Y. 13057

A. State Manifest Document Number

PAE 3409792

B. State Gen. ID

NYD 982721656

4. Generator's Phone (315) 446-2264

5. Transporter 1 Company Name

6. US EPA ID Number

DELVECCHIO TRANS. & MATL. INC.

PAD987269511

C. State Trans. ID

PA- AH 103331

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (717) 343-2350

E. State Trans. ID

PA-

9. Designated Facility Name and Site Address

10. US EPA ID Number

ARC PROCESSING COMPANY (Recycling Facility)

Walnut Lane, RD#5, Box 5553

Pottsville, Pa. 17901

PAD981038227

G. State Facility's ID

H. Facility's Phone (717) 622-4747

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13.
Total
Quantity14.
Unit
Wt/Vol1.
Waste No.

a. HAZARDOUS WASTE, SOLID N.O.S., NA 3077
PS III (7006) CLASS 9

023 CF 00023 Y F006

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Lab Pack Physical State

Lab Pack

Physical State

a. ☐ S Lc. ☐ ☐

K. Handling Codes for Wastes Listed Above

T23/T59/T50

aT18 Drying

c.

b. ☐ ☐d. ☐ ☐

b.

d.

15. Special Handling Instructions and Additional Information

RYS HANDLING CODE - R

EMERGENCY CONTACT (315) 446-2264

In case of an emergency contact, CHEMTREC at 1-800-424-9300,
24 HOURS A DAY OR REFER TO D.O.T. EMERGENCY RESPONSE GUIDE #31.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

MONTH DAY YEAR

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

Act wts for WAC 33,700

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

MONTH DAY YEAR

LEE T. Koppelman

LEE T. Koppelman

04 26 95



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD98272165629036	Manifest Document No. 29036	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address GENERAL SUPERLATING 22 CELI DRIVE EAST SYRACUSE, NY. 13057			A. State Manifest Document Number NJA 2029036		
4. Generator's Phone: 315 446-2264			B. State-Generator's ID (Gen. Site Address) same		
5. Transporter 1 Company Name RFE INDUSTRIES, INC.			C. State Trans. ID-NJDEPE Decal No. SD 103114 069586		
6. US EPA ID Number NJ D055090815			D. Transporter's Phone 201 451-0229		
7. Transporter 2 Company Name			E. State Trans. ID-NJDEPE Decal No.		
8. US EPA ID Number			F. Transporter's Phone		
9. Designated Facility Name and Site Address RFE INDUSTRIES, INC. FOOT OF JERSEY AVENUE JERSEY CITY, NJ. 07302			G. State Facility's ID NJ D055090815		
10. US EPA ID Number			H. Facility's Phone: 201 451-0229		
11. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM			12. Containers No. Type		13. Total Quantity Waste No.
a. X RQ WASTE CYANIDE INORGANIC, N.O.S. 6.1 UN 1588 P.G. II 0010000011P F 0 0 7					
b. X RQ WASTE CYANIDE, INORGANIC N.O.S. 6.1 UN 1588 P.G. II 0010000024P F 0 0 7					
c.					
d.					
J. Additional Descriptions for Materials Listed Above AU CATHODES (D002)			K. Handling Codes for Wastes Listed Above a. T O A c.		
15 KCN, 2% NaOH 0.2% AU (D003) POLY RESIN 6.8% Polystyrene P.T.S			b. T O A d.		
15. Special Handling Instructions and Additional Information CYANIDE BEARING MATERIALS CONTAINS PRECIOUS METALS FOR RECYCLING (IT-04) STOW AWAY FROM ACIDS					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are truly and accurately described above by proper shipping name and are properly classified, packaged, marked and labeled, and are in all respects in proper condition for transport or storage, according to applicable international and national government regulations.					
17. I, the undersigned, hereby certify that I have a program in place to receive, store, and dispose of waste generated on the premises. The waste must be properly managed and disposed of in accordance with the applicable regulations. I have provided a copy of this certification to the transporter and have provided a copy of this certification to the receiving facility.					
Printed/Typed Name Richard E. Simonneau			Signature Richard E. Simonneau		Date 04/04/95
Printed/Typed Name CARLOS COLON			Signature Carlos Colon		Date 04/04/95
18. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 13					
Printed/Typed Name John L. L... ..			Signature John L. L... ..		Date 04/04/95
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 13					
Printed/Typed Name John L. L... ..			Signature John L. L... ..		Date 04/04/95

Form F: Equipment Calibration Summary

Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative
Chrome Treat pH	4/3/95	6.95 - 7.00 4.00 - 4.00	<i>Jean Dodoin</i> Environmental Eng.
Chrome Treat pH	4/19/95	6.97 - 7.00 4.01 - 4.00	<i>Jean Dodoin</i> Environmental Eng.
N-1 pH	4/3/95	7.11 - 7.00 4.08 - 4.00	<i>Jean Dodoin</i> Environmental Eng.
N-1 pH	4/19/95	7.07 - 7.00 4.05 - 4.00	<i>Jean Dodoin</i> Environmental Eng.
N-2 pH	4/3/95	6.7 - 7.00 10.0 - 10.00	<i>Jean Dodoin</i> Environmental Eng.
N-2 pH	4/19/95	7.1 - 7.00 9.9 - 10.0	<i>Jean Dodoin</i> Environmental Eng.
Final pH	4/3/95	6.9 - 0.0 MV -170.0 - 176.0 MV	<i>Jean Dodoin</i> Environmental Eng.
Final pH	4/19/95	2.1 - 0.0 MV -176.4 - 176.0 MV	<i>Jean Dodoin</i> Environmental Eng.
		0.0MV = 7.0 -176.0 MV = 10.0	

Attach official calibration reports during the months of March, June, September, and December.

Form G: pH Monitoring

Date _____

Time

pH

No pH exceedences for reporting period.

[illegible]

April, 1995

Summary of Recent Changes in Waste Treatment System

In our efforts to continuously improve our operations while maintaining our pollution prevention strategy, the following changes have been incorporated into our processing and treatment systems to control flow streams:

- Our metals job shop room has been re-engineered, taking advantage of common tanks for specific processes in reducing the overall water use in this area by over 25% while saving on chemical usage.
- We are engineering a new automated plating line to replace our current plastic plating machine. The new machine will have updated automation, with enhanced flexibility in a physically smaller process line. It is anticipated that the overall water consumption will be significantly reduced as compared to our current usage. This line will include evaporative recovery at etch, chrome and nickel stations. Additionally, it will incorporate acid recovery of the metal strip solutions.



GENERAL SUPER PLATING CO., INC.

22 CELI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

December 30, 1992

Mr. Joseph Mastriano
County of Onondaga
Department of Drainage and Sanitation
650 Hiawatha Boulevard, West
Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report
General Super Plating Company, Inc.
Wastewater Discharge Permit #36
22 Celi Drive

Dear Mr. Mastriano:

Enclosed please find a completed Self-Monitoring Report for the month of November 1992 for our General Super Plating Company, Inc. facility located at 22 Celi Drive in East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consist of the following items:

- o Form A: Analytical Data for Sewer #2
- o Form C: Water use Data for Sewer #2
- o Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- o Form F: Equipment Calibration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

Rodney Campbell
Environmental Coordinator

Form A: Analytical Data for Sewer # 2 (Process Wastewater)

Parameter	Daily Effluent Limitation	Day 1 Date: Nov. 2	Day 2 Date: Nov. 3	Day 3 Date: Nov. 4	Day 1 Date: Nov. 16	Day 2 Date: Nov. 17	Day 3 Date: Nov. 18	Avg.
Cd (mg/l)	.11	.01	.02	.04	.02	.03	.03	.03
Cr (mg/l)	2.77	1.3	.9	1.1	.5	.2	.1	.68
Cu (mg/l)	3.38	.2	.9	.5	.6	.4	.1	.45
T-CN (mg/l)	1.20	.02	.02	.03	.02	.03	.04	.03
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1
Ni (mg/l)	3.98	1.1	.6	.8	1.7	1.9	.9	1.17
Ag (mg/l)	.43	.01	.02	.01	.02	.02	.01	.02
Zn (mg/l)	2.61	.01	.03	.03	.01	.02	.01	.02
pH (S.U.)	5.5 - 9.5	8.8	8.6	8.5	8.5	8.6	8.2	N/A
TTO's (mg/l)								

**** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit # 36**

Form C: Water Use Data for the Month of NOVEMBER for Sewer # 2

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	NO	PRODUCTION	
2	53,890	13	4,145
3	63,867	14	4,562
4	58,816	13	4,524
5	67,793	15	4,520
6	57,011	14	4,072
7	NO	PRODUCTION	
8	NO	PRODUCTION	
9	48,580	13	3,737
10	56,120	13	4,317
11	57,720	13	4,440
12	68,810	14	4,915
13	66,931	13	5,149
14	NO	PRODUCTION	
15	NO	PRODUCTION	
16	39,658	14	2,833
17	60,571	16	3,786
18	58,685	13	4,514
19	47,060	12	3,922
20	56,125	13	4,317
21	NO	PRODUCTION	
22	NO	PRODUCTION	
23	68,633	16	4,290
24	58,364	15	3,891
25	40,015	14	2,858
26	NO	PRODUCTION	
27	NO	PRODUCTION	
28	NO	PRODUCTION	
29	NO	PRODUCTION	
30	44,772	16	2,798

Form E: Waste Material Disposal Summary
(attach manifests where appropriate)

Date	Waste Material	Quantity	Hazardous (Y/N)	USEPA/NY Classification	Method of Disposal and Carrier
11/10/92	R W WASTE CYANIDE SOLUTION	6	Y	UN1935 D003	Reclamation/RFE Industries Inc.

**** Attach USEPA Toxic Chemical Release Inventory Reporting Form R in July SMR as required in Section XV, Part 6 of Permit #36**



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

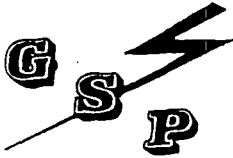
Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 19 13 17 12 16 13 17 13 17 13		Manifest Document No. 13 17 13 17 13 17 13 17 13 17		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address GENERAL SUPERPRINTING INC. 61 CULL DRIVE S. SYRACUSE, NY 13057				A. State Manifest Document Number NJA 1235900		B. State Generator's ID SAME			
4. Generator's Phone (315) 453-1234				6. US EPA ID Number		C. State Trans. ID 12 16 13 17 13 17 13 17 13			
5. Transporter 1 Company Name RFE Industries, Inc.				7. Transporter 2 Company Name		D. Transporter's Phone (201) 451-0229			
9. Designated Facility Name and Site Address RFE Industries, Inc. 1000 32 Jersey Avenue Jersey City, NJ 07302				10. US EPA ID Number		E. State Trans. ID			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. 1 AC, WASTE CYANIDE SOLUTION, N.O.S. POISON B UN1985 (D003)				051 D FCB D E E E		3 0 0 17			
b. 1 AC, WASTE CYANIDE SOLUTION, N.O.S. POISON B UN1985 (D003)				004 D FCB D E E E		3 0 0 17			
c. 1 AC, WASTE CYANIDE SOLUTION, N.O.S. POISON B UN1985 (D003)				001 D FCB D E E E		3 0 0 17			
d.									
J. Additional Descriptions for Materials Listed Above 2% KCN, 6% NaOH 0-6-1.0% AU 91-91.4% Water T.R.L. (D003)				2% KCN, 6% NaOH 0-6-1.0% AU 91-91.4% Water T.R.L. (D003)		K. Handling Codes for Wastes Listed Above a. T 0 4 c. T 0 4			
b. 2% KCN, 6% NaOH, 0-6-1.2% AG b. 90-90.4% Water T.R.L. (D003)				d.		b. T 0 4 d.			
15. Special Handling Instructions and Additional Information CYANIDE BEARING MATERIAL CONTAINS PRECIOUS METALS FOR RECLAIM (T-04) STON AWAY FROM ACTIO Emergency 24 Hrs - Fri 7:30am/5:00pm, All Other Times: Sweeper 24 Hrs 601-5396 N.Y.S. Disposal Code: 112, 113 & 114 - NY - T 15435-0000									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Richard Ballenore				Signature Richard Ballenore				Month Day Year 11/11/09/2	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Michael Ward				Signature Michael Ward				Month Day Year 11/11/09/2	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name John Ballenore				Signature John Ballenore				Month Day Year 11/11/09/2	

Form F: Equipment Calibration Summary

[illegible]



GENERAL SUPER PLATING CO., INC.

5762 CELI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

July 30, 1996

Ms. Sandy Tuori-Bell
County of Onondaga Department of
Drainage and Sanitation
650 Hiawatha Boulevard West
Syracuse, New York 13204-1194

Re: Semi-Annual Self-Monitoring Report
General Super Plating Co., Inc.
Wastewater Discharge Permit #36
5762 Celi Drive

Dear Ms. Tuori-Bell:

Enclosed please find a completed Self-Monitoring Report (and Semi-Annual Report) for the month of June, 1996 for our General Super Plating Company, Inc. facility located at 5762 Celi Drive, East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consists of the following items:

- Form A: Analytical Data for Sewer #2
- Form B1: Toxic Organic Monitoring for Sewer #1
- Form B2: Toxic Organic Monitoring for Sewer #2 (*)
- Form C1: Water Use Data for Sewer #1
- Form C2: Water Use Data for Sewer #2, and Maximum Daily Flow Rates for Sewer #2
- Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- Form F: Equipment Calibration Summary
- Form G: pH Monitoring

July 30, 1996
Ms. Sandy Tuori-Bell
OCDDS

RE: Semi-annual Self Monitoring Report
5762 Celi Drive
Wastewater Discharge Permit #36

- ◇ Attachment 1: Quarterly Laboratory Analysis Reports for sampling dates June 12 - 14, 1996 and June 25 - 28, 1996; Semi-annual Laboratory Analysis Reports for sampling dates June 12, 1996 from Upstate Laboratories, Inc.
- ◇ Attachment 2: Quarterly Certified Equipment Calibration Summary

If you have any questions or comments regarding these attachments, please contact me at 446-2264.

Sincerely,



William W. Southwell
Vice President, General Manager

General Super Plating (IC #29)
Self Monitoring Report
Form A

Period Covered: June 1, 1996 to June 30, 1996

Date Due: July 30, 1996 Date Submitted: July 30, 1996

Explain Sampling and Preservation Methodologies: _____

See Discharge Monitoring Report (SMR)

Water Usage During Reporting Period (gallons): 2,442,146

Source(s): Water meter

Water Consumed but not Discharged to the Sanitary Sewer System:

Boiler Make-Up: 52,380 Evaporation: 70,601

Off-Site Disposal: _____

Other (specify): Sanitary Sewer (#1) 139,416

Total Wastewater Discharged : 2,179,749 (SEWER #2)

Number of Operating Days: 30 Number of Employees: 120

Do the Monitoring Results Show Full Compliance (Y/N): Y

(If No, attach additional sheets for explanation. Refer to Section XV.B.10)

Certification: I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that sampling and analytical methodologies employed during the collection of data required for this submission conform to accepted methods established by the United States Environmental Protection Agency (USEPA) and/or the New York State Department of Health (NYSDOH). Further, the GSP slug control discharge plan that was formally approved by the county, has been in effect since the last SMR submission.

Signature of Authorized Representative: 

Title: Vice President / General Manager

Form B1: Analytical Data -- Sewer #1 ⁷

Parameter	Effluent Limit ⁸	Sample Type ⁹	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	2.0	C				
Cr (mg/l)	8.0	C	0.16	0.18	0.13	0.16
Hex-Cr (mg/l)	4.0	C				
Cu (mg/l)	5.0	C				
T-CN (mg/l)	3.0	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	1.0	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	5.0	C	0.08	0.04	0.04	0.05
Ag (mg/l)	1.0	C				
Zn (mg/l)	5.0	C	0.15	0.09	0.07	0.1
Hg (µg/l)	20	C				
Mo (mg/l)	***	C	<0.01	<0.01	<0.01	<0.01
BOD ₅ (mg/l)	***	C	19	36	19	24.7
TSS (mg/l)	***	C	16	24	7.5	15.8
TP (mg/l)	***	C	1.9	1.9	1.7	1.8
TKN (mg/l)	***	C	28	25	37	30
O & G (mg/l)	150	G	9	12	18	13
Phenols (mg/l)	4.5	G				
Flashpoint	140 °F	G				
pH (S.U.)	5.5-9.5	G				
pH (S.U.)	5.5-9.5	CONT	Attach pH Recorder Charts			
TTOs ¹⁰	***	G				
Flowrate	***	CONT				

The Following Lines Are For OCDDS Use Only

OCDDS Grab Sample Number			
OCDDS Composite Sample Number			
ENCO			
Acceptance Code			

⁷ Attach official laboratory reports and chain of custody records, and copies continuous recording flow and pH charts.

⁸ The symbol *** indicates that there is no applicable limit for this parameter.

⁹ C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

¹⁰ TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Form B2: Analytical Data – Sewer #2 ^{*11}

ULI

Parameter	Effluent Limit ^{*12}	Sample Type ^{*13}	Day 1: Date 6/12/96	Day 2: Date 6/13/96	Day 3: Date 6/14/96	Average
Cd (mg/l)	1.2	C	<0.005	<0.005	<0.005	<0.005
Cr (mg/l)	7.0	C	0.039	0.093	0.18	0.104
Hex-Cr (mg/l)	***	C	0.04	0.09	0.2	0.11
Cu (mg/l)	4.5	C	0.11	0.11	0.07	0.1
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	C	0.73	0.81	0.48	0.67
Ag (mg/l)	1.2	C	<0.05	<0.05	<0.05	<0.05
Zn (mg/l)	4.2	C	0.02	<0.01	0.01	<0.01
Hg (µg/l)	20	C				
Mo (mg/l)	***	C				
Total Metals (mg/l)	10.5	C	0.899	1.023	0.74	0.887
BOD ₅ (mg/l)	***	C				
TSS (mg/l)	***	C				
TP (mg/l)	***	C				
TKN (mg/l)	***	C				
O & G (mg/l)	150	G	<5.0			
Phenols (mg/l)	4.5	G	<0.005			
Flashpoint (°F)	140	G	>60degC			
pH (S.U.)	5.5-9.5	G	9.0	8.8	9.0	8.9
pH (S.U.)	5.5-9.5	CONT	Attach pH Recorder Charts			
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
The Following Lines Are For OCDDS Use Only						
OCDDS Grab Sample Number						
OCDDS Composite Sample Number						
ENCO						
Acceptance Code						

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Form B2: Analytical Data -- Sewer #2 ^{*11} GSP

Parameter	Effluent Limit ^{*12}	Sample Type ^{*13}	Day 1: Date 6/12/96	Day 2: Date 6/13/96	Day 3: Date 6/14/96	Average
Cd (mg/l)	1.2	C	0.005	0.005	0.005	0.005
Cr (mg/l)	7.0	C	0.01	0.01	0.11	0.04
Hex-Cr (mg/l)	***	C				
Cu (mg/l)	4.5	C	0.04	0.04	0.03	0.04
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G				
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	C	0.39	0.38	0.22	0.33
Ag (mg/l)	1.2	C	0.05	0.04	0.05	0.05
Zn (mg/l)	4.2	C	0.03	0.04	0.05	0.04
Hg (µg/l)	20	C				
Mo (mg/l)	***	C				
Total Metals (mg/l)	10.5	C	0.47	0.47	0.41	0.45
BOD ₅ (mg/l)	***	C				
TSS (mg/l)	***	C				
TP (mg/l)	***	C				
TKN (mg/l)	***	C				
O & G (mg/l)	150	G				
Phenols (mg/l)	4.5	G				
Flashpoint (°F)	140	G				
pH (S.U.)	5.5-9.5	G	8.5	8.8	9.0	8.9
pH (S.U.)	5.5-9.5	CONT	Attach pH Recorder Charts			
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
The Following Lines Are For OCDDS Use Only						
OCDDS Grab Sample Number						
OCDDS Composite Sample Number						
ENCO						
Acceptance Code						

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Form B2: Analytical Data -- Sewer #2^{*11}

ULI

Parameter	Effluent Limit ^{*12}	Sample Type ^{*13}	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	1.2	C	<0.005	<0.005	<0.005	<0.005
Cr (mg/l)	7.0	C	0.32	0.05	0.1	0.16
Hex-Cr (mg/l)	***	C	0.22	0.03	0.06	0.1
Cu (mg/l)	4.5	C	0.04	0.06	0.11	0.07
T-CN (mg/l)	1.9	G	<0.01	0.02	0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	C	0.78	1.1	1.6	1.16
Ag (mg/l)	1.2	C	0.12	<0.05	<0.05	<0.07
Zn (mg/l)	4.2	C	0.04	0.03	0.05	0.04
Hg (µg/l)	20	C				
Mo (mg/l)	***	C				
Total Metals (mg/l)	10.5	C	1.18	1.24	1.86	1.43
BOD ₅ (mg/l)	***	C				
TSS (mg/l)	***	C				
TP (mg/l)	***	C				
TKN (mg/l)	***	C				
O & G (mg/l)	150	G				
Phenols (mg/l)	4.5	G				
Flashpoint (°F)	140	G				
pH (S.U.)	5.5-9.5	G	7.9	8.4	8.0	8.1
pH (S.U.)	5.5-9.5	CONT	Attach pH Recorder Charts			
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
The Following Lines Are For OCDDS Use Only						
OCDDS Grab Sample Number						
OCDDS Composite Sample Number						
ENCO						
Acceptance Code						

*11 Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

*12 The symbol *** indicates that there is no applicable limit for this parameter.

*13 C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

*14 TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Form B2: Analytical Data -- Sewer #2 ^{*11} GSP

Parameter	Effluent Limit ^{*12}	Sample Type ^{*13}	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	1.2	C	0.005	0.004	0.005	0.005
Cr (mg/l)	7.0	C	0.15	0.01	0.01	0.06
Hex-Cr (mg/l)	***	C				
Cu (mg/l)	4.5	C	0.02	0.02	0.03	0.02
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G				
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	C	0.42	1.45	1.69	1.19
Ag (mg/l)	1.2	C	0.05	0.05	0.05	0.05
Zn (mg/l)	4.2	C	0.06	0.03	0.03	0.04
Hg (µg/l)	20	C				
Mo (mg/l)	***	C				
Total Metals (mg/l)	10.5	C	0.65	1.51	1.76	1.31
BOD ₅ (mg/l)	***	C				
TSS (mg/l)	***	C				
TP (mg/l)	***	C				
TKN (mg/l)	***	C				
O & G (mg/l)	150	G				
Phenols (mg/l)	4.5	G				
Flashpoint (°F)	140	G				
pH (S.U.)	5.5-9.5	G	8.5	8.9	8.3	8.6
pH (S.U.)	5.5-9.5	CONT	Attach pH Recorder Charts			
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				

The Following Lines Are For OCDDS Use Only

OCDDS Grab Sample Number				
OCDDS Composite Sample Number				
ENCO				
Acceptance Code				

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Form C1: Water Use Data for Sewer #1

Date	Wastewater Discharged (gal)	Number of Production Hours	Average Flowrate (gpm)
1	4671	24	3.2
2	5421	24	3.8
3	4195	24	2.9

Form C2: Water Use Data for the Month of JUNE for Sewer #2

Date	Wastewater Discharged Daily (gpd)	Number of Production Hours	Maximum Flowrate (gpm)	Average Flowrate (gpm)
1	67865	24.0	75.2	47.1
2	58848	22.5	56.0	43.6
3	55904	23.0	60.8	40.5
4	78525	24.0	80.0	54.5
5	84007	23.0	83.2	60.9
6	83053	23.0	83.2	60.2
7	81795	23.5	76.8	58.0
8	70355	23.0	78.4	51.0
9	41335	23.5	48.0	29.3
10	51695	23.0	80.0	37.5
11	72058	23.0	67.2	52.2
12	79702	23.5	83.2	56.5
13	85726	23.0	76.8	62.1
14	90954	23.5	76.8	64.5
15	64617	23.0	76.8	46.8
16	64617	22.0	56.0	49.0
17	73236	24.0	80.0	50.9
18	90606	24.0	80.0	62.9
19	95131	24.0	91.2	66.1
20	95098	24.0	76.8	66.0
21	90420	24.0	84.8	62.8
22	86740	23.5	72.0	61.5
23	44666	21.5	68.8	34.6
24	71839	24.0	88.0	50.0
25	89877	23.0	83.2	65.1
26	92419	23.5	86.4	65.6
27	86774	23.5	80.0	61.5
28	73399	23.5	75.2	52.1
29	53557	23.0	56.0	42.2
30	62234	23.0	49.6	43.6
31	-	-	-	-
Monthly Average				53.3

[illegible]

Contents

Discharge Procedures

Signature

None

None

Form E: Waste Material Disposal Summary

Date	6/6/96	6/27/96		
Waste Material	Electroplating sludge	Electroplating sludge		
Quantity	26 CY	26 CY		
Hazardous (Y/N)	Y	Y		
USEPA/NYSDEC Classification	F006	F006		
Method of Disposal and Carrier	Delisting Delvecchio Trans. & Matl.	Delisting		
Facility's Hazardous Waste Generator I.D. Number	NYD982721656	NYD982721656		
How Created (if non- hazardous)				

This form is to be utilized for materials that are removed or separated from the permittee's wastewater effluent and disposed of in a manner other than the sanitary sewer system.

Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <u>PA 09 31 7 1 6 5 6 00007</u>		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
		3. Generator's Name and Mailing Address <u>SHAW SUPER PLAYING CO., INC.</u> <u>3701 GOLF DRIVE, EAST STRACUSE, N.Y. 13057</u>		6. US EPA ID Number		A. State Manifest Document Number PAE 3409943		B. State Gen. ID <u>NYS 982721656</u>	
5. Transporter 1 Company Name		7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID <u>PA- A 8 1 0 3 3 3</u>		D. Transporter's Phone (717) <u>343-2350</u>	
9. Designated Facility Name and Site Address <u>AND TRANSPORTING COMPANY (RECYCLING FACILITY)</u> <u>4110 E. 11th, Bldg. 3553</u> <u>JOHNSVILLE, PA. 17031</u>		10. US EPA ID Number <u>PA 09 31 0 3 3 3 3 7</u>		E. State Trans. ID <u>PA-</u>		F. Transporter's Phone ()		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <u>NO HAZARDOUS WASTE, SOLID N.O.S., HA 3077</u> <u>CLASS 9</u>		No. <u>026</u> Type <u>CA</u>		<u>00026</u>		<u>Y</u>		<u>7006</u>	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above		Lab Pack		Physical State		K. Handling Codes for Wastes Listed Above			
a. <u>3</u>		c. <u>1</u>		<u>1</u>		T23/T59/T50 a. <u>T18 Drying</u> c. <u>1</u>			
b. <u>1</u>		d. <u>1</u>		<u>1</u>		b. <u>1</u> d. <u>1</u>			
15. Special Handling Instructions and Additional Information <u>NO HAZARDOUS WASTE - 3</u> <u>EMERGENCY CONTACT (313) 440-1204</u> <u>NO HAZARDOUS WASTE - 3</u> <u>EMERGENCY CONTACT (313) 440-1204</u> <u>NO HAZARDOUS WASTE - 3</u> <u>EMERGENCY CONTACT (313) 440-1204</u>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name				Signature		MONTH DAY YEAR			
<u>John J. ...</u>				<u>John J. ...</u>		<u>10 6 1996</u>			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		MONTH DAY YEAR			
<u>Chester ...</u>				<u>Chester ...</u>		<u>10 6 1996</u>			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		MONTH DAY YEAR			
<u>Steve ...</u>				<u>Steve ...</u>		<u>10 6 1996</u>			
19. Discrepancy Indication Space <u>ACTUAL WT OMITTED</u> <u>ACTUAL WT FOR WRC RECORDS <u>48.063</u> gm</u>									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Signature		MONTH DAY YEAR			
<u>Steve McShaw</u>				<u>Steve McShaw</u>		<u>10 6 1996</u>			

P. O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

OMB No. 2050-0039
Expires 9-30-94

ER-WM-51 REV. 1/91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PA 000 327216506 0007		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.					
3. Generator's Name and Mailing Address SUNBELT SUPER PLATING CO., INC. 3772 SUN DRIVE, EAST STRACUSE, N.Y. 13057						A. State Manifest Document Number PAE 3409954							
4. Generator's Phone (315) 440-4404						B. State Gen. ID NYS 982721656							
5. Transporter 1 Company Name SUNBELT SUPER PLATING CO., INC.						C. State Trans. ID PA- 103331							
6. US EPA ID Number						D. Transporter's Phone (717) 343-2350							
7. Transporter 2 Company Name						E. State Trans. ID PA- 103331							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address THE PENNSYLVANIA GO. PARK (SUNBELT FACILITY) 1000 E. 2nd St., Box 5553 Harrisburg, PA 17101						G. State Facility's ID							
10. US EPA ID Number PA 000 610333						H. Facility's Phone (717) 622-4747							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE, SOLID H.O.S., NA 3077 (3036) CLASS 9						026 BA		00026 Y				2006	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
Lab Pack Physical State Lab Pack Physical State						T23/T59/T50							
a. <input type="checkbox"/> <input checked="" type="checkbox"/>						a. T13 Drying c.							
b. <input type="checkbox"/> <input type="checkbox"/>						b. d.							
15. Special Handling Instructions and Additional Information NO REMAINING WASTE - 1 EMERGENCY CONTACT (315) 440-4404 IN CASE OF AN EMERGENCY, CONTACT THE NATIONAL RESPONSE CENTER AT 1-800-424-9300, 24 HOURS A DAY OR REFER TO U.S.E.P. EMERGENCY RESPONSE UNIT.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name						Signature				MONTH DAY YEAR			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature				MONTH DAY YEAR			
Printed/Typed Name						Signature				MONTH DAY YEAR			
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				MONTH DAY YEAR			
Printed/Typed Name						Signature				MONTH DAY YEAR			
19. Discrepancy Indication Space 47470 = 48500 = 165													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature				MONTH DAY YEAR			
Salvador Gualo						Salvador Gualo				10/10/96			

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 5 - TSD Facility: Mail to Generator

Form F: Equipment Calibration Summary

Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative
Chrome Treat pH	6/13/96	7.03 - 7.00 3.85 - 4.00	Env. Engineer <i>Jean Fodoin</i>
Chrome Treat pH	6/21/96	7.01 - 7.00 3.95 - 4.00	Env. Engineer <i>Jean Fodoin</i>
N - 1 pH	6/13/96	6.98 - 7.00 3.91 - 4.00	Env. Engineer <i>Jean Fodoin</i>
N - 1 pH	6/21/96	7.09 - 7.00 4.06 - 4.00	Env. Engineer <i>Jean Fodoin</i>
N - 2 pH	6/13/96	6.7 - 7.0 10.0 - 10.0	Env. Engineer <i>Jean Fodoin</i>
N - 2 pH	6/21/96	6.9 - 7.0 10.1 - 10.0	Env. Engineer <i>Jean Fodoin</i>
Final pH	6/13/96	-5.7 mV - 0.0 mV -186.7 mV - -177.0 mV	<i>Jean Fodoin</i> Env. Engineer
Final pH	6/21/96	10.0 mV - 0.0 mV -190.1 mV - -177.0 mV	<i>Jean Fodoin</i> Env. Engineer
		0.0 mV = 7.0	
		- 177.0 mV = 10.0	

[illegible]

pH
(Limit: 5.5-9.5)

Explanation for Excursion

None for sewer #2

6/12/96

5.2

<2 min

SEWER #1(Sanitary)

See Notification Letter dated June 17,
1996

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

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Binghamton (607) 724-0478

Buffalo (716) 662-2118

Rochester (716) 436-9070

New Jersey (201) 703-1324

June 28, 1996

Mr. William Southwell
Vice-President, General Mgr.
General Super Plating Co., Inc.
5762 Celi Dr.
E. Syracuse, NY 13057

Re: Analysis Report #16496111 - Semi-Annual

Dear Mr. Southwell:

Please find enclosed the results for your sample which was collected by ULI personnel on June 12, 1996.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala
Anthony J. Scala
Director

AJS/lw

Enclosures: report, invoice

cc/encs: N. Scala, ULI
file

Note: Faxed results were given to your office on 6/28/96. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

DATE: 06/28/96

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496111

Client I.D.: GENERAL SUPER PLATING, INC.

Sampled by: ULI

APPROVAL:

QC: JH

Lab I.D.: 10170

SEMI-ANNUAL

SEWER 2 PRETREATMENT 1000H 06/12/96 G

ULI I.D.: 16496111

Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
Flash Point	>60degC		WB3343
Oil & Grease	<5ug/l		WB3398
Total Phenols	<0.005mg/l		WB3344

EPA Method 601

Dichlorodifluoromethane	<5ug/l	01	VA2256
Chloromethane	<5ug/l	01	VA2256
Vinyl Chloride	<5ug/l	01	VA2256
Bromomethane	<5ug/l	01	VA2256
Chloroethane	<5ug/l	01	VA2256
Trichlorofluoromethane	<5ug/l	01	VA2256
1,1-Dichloroethene	<5ug/l	01	VA2256
Methylene Chloride	<25ug/l	01	VA2256
cis-1,2-Dichloroethene	<5ug/l	01	VA2256
trans-1,2-Dichloroethene	<5ug/l	01	VA2256
1,1-Dichloroethane	<5ug/l	01	VA2256
Chloroform	11ug/l		VA2256
1,1,1-Trichloroethane	<5ug/l	01	VA2256
Carbon Tetrachloride	<5ug/l	01	VA2256
1,2-Dichloroethane	<5ug/l	01	VA2256
Trichloroethene	<5ug/l	01	VA2256
1,2-Dichloropropane	<5ug/l	01	VA2256
Bromodichloromethane	<5ug/l	01	VA2256
2-Chloroethylvinylether	<5ug/l	01	VA2256
cis-1,3-Dichloropropene	<5ug/l	01	VA2256
trans-1,3-Dichloropropene	<5ug/l	01	VA2256
1,1,2-Trichloroethane	<5ug/l	01	VA2256
Tetrachloroethene	<5ug/l	01	VA2256
Dibromochloromethane	<5ug/l	01	VA2256
Bromoform	<5ug/l	01	VA2256
1,1,2,2-Tetrachloroethane	<5ug/l	01	VA2256
Chlorobenzene	<5ug/l	01	VA2256
1,2-Dichlorobenzene	<5ug/l	01	VA2256
1,3-Dichlorobenzene	<5ug/l	01	VA2256
1,4-Dichlorobenzene	<5ug/l	01	VA2256

EPA Method 602

Benzene	<5ug/l	01	VA2256
Toluene	<5ug/l	01	VA2256
Ethylbenzene	<5ug/l	01	VA2256
m-Xylene and p-Xylene	<5ug/l	01	VA2256
o-Xylene	<5ug/l	01	VA2256

DATE: 06/28/96

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496111

Client I.D.: GENERAL SUPER PLATING, INC.

Sampled by: ULI

APPROVAL: *ajs*

QC: *JH*

Lab I.D.: 10170

SEMI-ANNUAL

SEWER 2 PRETREATMENT 1000H 06/12/96 G

ULI I.D.: 16496111

Matrix: Water

PARAMETERS

RESULTS

KEY

FILE#

Chlorobenzene

<5ug/l

01

VA2256

1,2-Dichlorobenzene

<5ug/l

01

VA2256

1,3-Dichlorobenzene

<5ug/l

01

VA2256

1,4-Dichlorobenzene

<5ug/l

01

VA2256

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 MATRIX INTERFERENCE
3 PRESENT IN BLANK
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE
QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
10 ADL(AVERAGE DETECTION LIMITS)
11 PQL(PRACTICAL QUANTITATION LIMITS)
12 SAMPLE ANALYZED OVER HOLDING TIME
13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM
THE FILTERING PROCEDURE
14 SAMPLED BY ULI
15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE
WITHIN EXPERIMENTAL ERROR
16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
18 DEPENDING UPON THE INTENDED USE OF THIS TEST RESULT, CONFIRMATION BY GC/MS
OR DUAL COLUMN CHROMATOGRAPHY MAY BE REQUIRED
19 CALCULATION BASED ON DRY WEIGHT
20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION
LIMITS
21 UG/KG AS REC.D / UG/KG DRY WT
22 MG/KG AS REC.D / MG/KG DRY WT
23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
24 SAMPLE DILUTED/BLANK CORRECTED
25 ND(NON-DETECTED)
26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL
LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
29 ANALYZED BY METHOD OF STANDARD ADDITIONS
30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
33 NON-POTABLE WATER SOURCE
34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF
1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION
LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON
PETROLEUM DISTILLATES
36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS)
PER DAY OF CL2
39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS)
PER DAY LAS
41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED
TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20,
CREATING A THEORETICAL TCLP VALUE
43 METAL BY CONCENTRATION PROCEDURE
44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

3034 Corporate Drive E. Syracuse New York 13057
315) 437 0255 Fax 437 1209

Chain Of Custody Record

6/26

[illegible]

parameter and method	sample bottle:	type	size	pres.	Sampled by: (Print)			Name of Courier (if used)
1) FLASHPOINT		PLASTIC	250ml	NONE	<i>Keith Williams</i> Company: UCF			
2) O&G		GLASS	32oz	H2SO4				
3) T-PHENOLS		GLASS	32oz	H2SO4				
4) EPA 601/602		GLASS	40ml	1:1 HCL	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
5)								
6)								
7)								
8)					Relinquished by: (Signature)	Date	Time	Received by: (Signature)
9)								
10)								
					Relinquished by: (Signature)	Date	Time	Rec'd for Lab by: (Signature)

Note: The numbered columns above cross reference with the numbered columns in the upper right hand corner.

Upstate Laboratories inc.

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Binghamton (607) 724-0478

Buffalo (716) 649-2533
Rochester (716) 436-9070
New Jersey (201) 703-1324

July 30, 1996

Mr. William Southwell
Vice-President, General Mgr.
General Super Plating Co., Inc.
5762 Celi Dr.
E. Syracuse, NY 13057

Re: Analysis Report #17796022 - Quarterly

Dear Mr. Southwell:

Please find enclosed the results for your samples which were collected by ULI personnel on June 25, 26, 27 and 28, 1996.

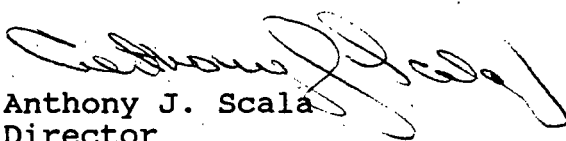
We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.


Anthony J. Scala
Director

AJS/lw

Enclosures: report, field data, strip charts, invoice

cc/encs: N. Scala, ULI
file

Note: Faxed results were given to your office on 7/29/96. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

Upstate Laboratories inc.

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New Jersey (201) 703-1324

July 30, 1996

Mr. William Southwell
Vice-President, General Mgr.
General Super Plating Co., Inc.
5762 Celi Dr.
E. Syracuse, NY 13057

Re: Self-Monitoring

Dear Mr. Southwell:

This letter is in response to a request from the Onondaga County Department of Drainage and Sanitation regarding sampling techniques used for your Self-Monitoring Compliance.

Composite samples are collected using a microprocessor-controlled, peristaltic pump sampler programmed to collect a sample aliquot every thirty (30) minutes. At the completion of a sampling event, the composite is poured into appropriate preserved containers. Grab samples for pH are collected in the field, done at the initial and ending sampling periods daily. If composite pH readings are required, they are done when received at the laboratory. The pH readings are accomplished using a two-point calibrated pH meter. Calibration occurs daily.

Grab samples are collected using a glass jar lowered into the effluent sump. For oil and grease, a glass quart jar is retrieved and then preserved with sulfuric acid. Volatile TTO samples are collected with a separate glass container and then poured off into an appropriate headspace container.

Upstate Laboratories, Inc. follows sampling guidelines set forth in "Standard Methods for the Examination of Water and Wastewater," as well as the EPA's "Handbook for Sampling and Sample Preservation of Water and Wastewater."

Should you have any questions regarding this matter, please feel free to call me.

Very truly yours,
UPSTATE LABORATORIES, INC.


Bryan F. Valentine
Technical Services Manager

BFV/lw

DATE: 07/30/96

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:17796022 Mat:Water QUARTERLY DAY 10F3 SEWER 2 PRETREATMENT 1040-1040H 06/25/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	88,710gal		FIELD
Hexavalent Chromium	0.22mg/l		WB3418
Total Cadmium	<0.005mg/l		MA6461
Total Chromium by furnace method	0.32mg/l		MA6518
Total Copper	0.04mg/l		MA6461
Total Lead	<0.1mg/l		MA6461
Total Nickel	0.78mg/l		MA6461
Total Silver	0.12mg/l		MA6461
Total Zinc	0.04mg/l		MA6461

ID:17796023 Mat:Water QUARTERLY DAY 10F3 SEWER 2 PRETREATMENT 1115H 06/25/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	7.9SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3503
Total Cyanide	<0.01mg/l		WB3503

ID:17796024 Mat:Water QUARTERLY DAY 10F3 SEWER 1 SANITARY 1030-1030H 06/25/96 C

PARAMETERS	RESULTS	KEY	FILE#
BOD5	19mg/l		WB3424
Total Kjeldahl Nitrogen	28mg/l		WB3559
Total Phosphorus	1.9mg/l		WB3585
Total Suspended Solids	16mg/l		WB3448
Total Chromium by furnace method	0.18mg/l		MA6518
Total Lead	<0.1mg/l		MA6461
Total Molybdenum by furnace method	<0.01mg/l		MA6485
Total Nickel	0.08mg/l		MA6461
Total Zinc	0.15mg/l		MA6461

ID:17796025 Mat:Water QUARTERLY DAY 10F3 SEWER 1 SANITARY 1100H 06/25/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	7.6SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3503
Flash Point	>60degC		WB3497
Oil & Grease	9mg/l		WB3550
Total Cyanide	<0.01mg/l		WB3503

DATE: 07/30/96

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:17996011 Mat:Water QUARTERLY DAY 20F3 SEWER 2 PRETREATMENT 1110-1105H 06/26/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	94,861gal		FIELD
pH	7.9SU	17	WB2177
Hexavalent Chromium	0.03mg/l		WB3441
Total Cadmium	<0.005mg/l		MA6497
Total Chromium by furnace method	0.05mg/l		MA6497
Total Copper	0.06mg/l		MA6497
Total Lead	<0.1mg/l		MA6497
Total Nickel	1.1mg/l		MA6497
Total Silver	<0.05mg/l		MA6497
Total Zinc	0.03mg/l		MA6497

ID:17996012 Mat:Water QUARTERLY DAY 20F3 SEWER 2 PRETREATMENT 1110H 06/26/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	8.4SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3594
Total Cyanide	0.02mg/l		WB3526

ID:17996013 Mat:Water QUARTERLY DAY 20F3 SEWER 1 SANITARY 1120-1120H 06/26/96 C

PARAMETERS	RESULTS	KEY	FILE#
BOD5	36mg/l		WB3477
Total Kjeldahl Nitrogen	25mg/l		WB3643
Total Phosphorus	1.9mg/l		WB3646
Total Suspended Solids	24mg/l		WB3471
Total Chromium by furnace method	0.18mg/l		MA6518
Total Lead	<0.1mg/l		MA6497
Total Molybdenum by furnace method	<0.01mg/l		MA6485
Total Nickel	0.04mg/l		MA6497
Total Zinc	0.09mg/l		MA6497

ID:17996014 Mat:Water QUARTERLY DAY 20F3 SEWER 1 SANITARY 1122H 06/26/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	7.3SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3526
Oil & Grease	12mg/l		WB3644
Total Cyanide	<0.01mg/l		WB3526

DATE: 07/30/96


ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:17996063 Mat:Water QUARTERLY DAY 3OF3 SEWER 2 PRETREATMENT 1125-1100H 06/27/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	86,855gal		FIELD
pH	8.3SU	17	WB2177
Hexavalent Chromium	0.06mg/l		WB3458
Total Cadmium	<0.005mg/l		MA6497
Total Chromium by furnace method	0.10mg/l		MA6518
Total Copper	0.11mg/l		MA6497
Total Lead	<0.1mg/l		MA6497
Total Nickel	1.6mg/l		MA6497
Total Silver	<0.05mg/l		MA6497
Total Zinc	0.05mg/l		MA6497

ID:17996064 Mat:Water QUARTERLY DAY 3OF3 SEWER 2 PRETREATMENT 1105H 06/27/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	8.0SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3594
Total Cyanide	0.01mg/l		WB3526

ID:17996065 Mat:Water QUARTERLY DAY 3OF3 SEWER 1 SANITARY 1115-1045H 06/27/96 C

PARAMETERS	RESULTS	KEY	FILE#
BOD5	19mg/l		WB3477
Total Kjeldahl Nitrogen	37mg/l		WB3643
Total Phosphorus	1.7mg/l		WB3646
Total Suspended Solids	8mg/l		WB3471
Total Chromium by furnace method	0.13mg/l		MA6518
Total Lead	<0.1mg/l		MA6497
Total Molybdenum by furnace method	<0.01mg/l		MA6485
Total Nickel	0.04mg/l		MA6497
Total Zinc	0.07mg/l		MA6497

ID:17996066 Mat:Water QUARTERLY DAY 3OF3 SEWER 1 SANITARY 1050H 06/27/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	7.3SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3526
Oil & Grease	18mg/l		WB3644
Total Cyanide	<0.01mg/l		WB3526

DATE: 07/30/96

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: 

QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:18096092 Mat:Water QUARTERLY DAY 4 SEWER 1 SANITARY 1055-1030H 06/28/96 C

PARAMETERS	RESULTS	KEY	FILE#
BOD5	73mg/l		WB3477
Total Kjeldahl Nitrogen	54mg/l		WB3664
Total Phosphorus	2.6mg/l		WB3663
Total Suspended Solids	12mg/l		WB3500
Total Chromium by furnace method	0.19mg/l		MA6518
Total Lead	<0.1mg/l		MA6495
Total Molybdenum by furnace method	<0.01mg/l		MA6562
Total Nickel	0.06mg/l		MA6495
Total Zinc	0.04mg/l		MA6495

ID:18096093 Mat:Water QUARTERLY DAY 4 SEWER 1 SANITARY 1035H 06/28/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	7.8SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3560
Oil & Grease	10mg/l		WB3692
Total Cyanide	<0.01mg/l		WB3560

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 MATRIX INTERFERENCE
3 PRESENT IN BLANK
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE
QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
10 ADL(AVERAGE DETECTION LIMITS)
11 PQL(PRACTICAL QUANTITATION LIMITS)
12 SAMPLE ANALYZED OVER HOLDING TIME
13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM
THE FILTERING PROCEDURE
14 SAMPLED BY ULI
15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE
WITHIN EXPERIMENTAL ERROR
16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
18 DEPENDING UPON THE INTENDED USE OF THIS TEST RESULT, CONFIRMATION BY GC/MS
OR DUAL COLUMN CHROMATOGRAPHY MAY BE REQUIRED
19 CALCULATION BASED ON DRY WEIGHT
20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION
LIMITS
21 UG/KG AS REC.D / UG/KG DRY WT
22 MG/KG AS REC.D / MG/KG DRY WT
23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
24 SAMPLE DILUTED/BLANK CORRECTED
25 ND(NON-DETECTED)
26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL
LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
29 ANALYZED BY METHOD OF STANDARD ADDITIONS
30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
33 NON-POTABLE WATER SOURCE
34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF
1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION
LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON
PETROLEUM DISTILLATES
36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS)
PER DAY OF CL2
39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS)
PER DAY LAS
41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED
TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20,
CREATING A THEORETICAL TCLP VALUE
43 METAL BY CONCENTRATION PROCEDURE
44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

UPSTATE LABORATORIES, INC.

Analysis Results

Report Number 17796022

Date: July 30, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D.	DEPARTMENT OF HEALTH CODES *	4 DAY AVERAGE **	
GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 1 SANITARY)			
ULI I.D.	--		
Field pH	2202	7.5SU	
BOD5	2057	37mg/l	
Total Kjeldahl Nitrogen	2230	36mg/l	
Total Phosphorus	2333	2.0mg/l	
Total Suspended Solids	2349	15mg/l	
Amenable Cyanide	2179	<0.01mg/l	
Flash Point ***	4000	--	
Oil & Grease	2291	12mg/l	
Total Cyanide	2166/2171	<0.01mg/l	
<u>TOTAL:</u>			
Chromium by furnace method	2137	0.17mg/l	
Lead	2017	<0.1mg/l	
Molybdenum by furnace method	2266	<0.01mg/l	
Nickel	2017	0.06mg/l	
Zinc	2017	0.09mg/l	

*DOH Method 2010 used for Digestion.

**Average results are from samples taken 6/25, 6/26, 6/27 and 6/28/96.

***Sample taken 6/25/96.

Sampled by ULI.

NYS DOH I.D.: 10170.

Approved:  7/30/96

Note: See disclaimer on cover letter.

UPSTATE LABORATORIES, INC.

Analysis Results

Report Number 17796022

Date: July 30, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

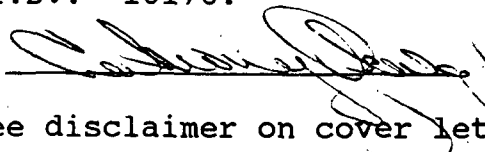
CLIENT I.D. GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 2 PRETREATMENT)	DEPARTMENT OF HEALTH CODES *	3 DAY AVERAGE **	
ULI I.D.	--	--	
Field pH	2202	8.2SU	
Hexavalent Chromium	9146	0.10mg/l	
Amenable Cyanide	2179	<0.01mg/l	
Total Cyanide	2166/2171	0.01mg/l	
<u>TOTAL:</u>			
Cadmium	2017	<0.005mg/l	
Chromium by furnace method	2137	0.16mg/l	
Copper	2017	0.07mg/l	
Lead	2017	<0.1mg/l	
Nickel	2017	1.2mg/l	
Silver	2017	0.07mg/l	
Zinc	2017	0.04mg/l	

*DOH Method 2010 used for Digestion.

**Average results are from samples taken 6/25, 6/26 and 6/27/96.

Sampled by ULI.

NYS DOH I.D.: 10170.

Approved:  7/30/96

Note: See disclaimer on cover letter.

ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

font: General Super plating
 oject: Quarterly DAY 10F3
 ite: _____

ocation Sewer 1 Time Sampled: 11⁰⁰A ULI ID No. (entered by lab) _____

Field Measurements:

flow NA (record units)
 temperature NA °C
 pH 7.6 std. units
 spec. cond. / umhos/cm
 turbidity NA NTU
 chlorine res. / mg/l Cl₂
 sulfite / mg/l
 dis. oxygen / mg/l

Weather Conditions: 65° Cloudy

Appearance/Observations: LT Brown

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. NA chlorine res. NA

sulfide NA

ocation Sewer 2 Time Sampled: 11⁴⁵ ULI ID No. (entered by lab) _____

Field Measurements:

flow 88710 LAL (record units)
 temperature NA °C
 pH 7.9 std. units
 spec. cond. / umhos/cm
 turbidity NA NTU
 chlorine res. / mg/l Cl₂
 sulfite / mg/l
 dis. oxygen / mg/l

Weather Conditions: 105102

Appearance/Observations: Cloudy

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. NA chlorine res. NA

sulfide NA

ocation _____ Time Sampled: _____ ULI ID No. (entered by lab) _____

Field Measurements:

flow _____ (record units)
 temperature _____ °C
 pH _____ std. units
 spec. cond. _____ umhos/cm
 turbidity _____ NTU
 chlorine res. _____ mg/l Cl₂
 sulfite _____ mg/l
 dis. oxygen _____ mg/l

Weather Conditions: _____

Appearance/Observations: _____

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. _____ chlorine res. _____

sulfide _____

ampler (print): Kerth Williams Signature: Kerth Williams Date: 8/25/96

ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

Client: General Superintending
 Project: Quarterly DRY 273
 Date: 6-26-98

Location: Sewer 1 Time Sampled: 11¹⁰A ULI ID No. (entered by lab): _____

Field Measurements:

Flow: N/A (record units)
 Temperature: N/A °C
 pH: 7.3 std. units
 spec. cond.: _____ umhos/cm
 turbidity: N NTU
 chlorine res.: N/A mg/l Cl₂
 sulfite: _____ mg/l
 dis. oxygen: _____ mg/l

Weather Conditions: 75° sunny

Appearance/Observations: DARK BROWN

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. N/A chlorine res. N/A

sulfide N/A

Location: Sewer 2 Time Sampled: 11²²A ULI ID No. (entered by lab): _____

Field Measurements:

Flow: 9-1301 Gals (record units)
 Temperature: N/A °C
 pH: 8.4 std. units
 spec. cond.: _____ umhos/cm
 turbidity: N NTU
 chlorine res.: N/A mg/l Cl₂
 sulfite: _____ mg/l
 dis. oxygen: _____ mg/l

Weather Conditions: INSIDE

Appearance/Observations: Cloudy

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. N/A chlorine res. N/A

sulfide N/A

Location: _____ Time Sampled: _____ ULI ID No. (entered by lab): _____

Field Measurements:

Flow: _____ (record units)
 Temperature: _____ °C
 pH: _____ std. units
 spec. cond.: _____ umhos/cm
 turbidity: _____ NTU
 chlorine res.: _____ mg/l Cl₂
 sulfite: _____ mg/l
 dis. oxygen: _____ mg/l

Weather Conditions: _____

Appearance/Observations: _____

If testing for cyanide: _____ If testing for phenolics: _____

chlorine res. _____ chlorine res. _____

sulfide _____

Sampler (print): Keith Williams Signature: Keith Williams Date: 6/25/98

ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

Location: GENERAL SUPERSTATION 6
 Project: QUARTERLY DAY 3 OF 3
 Date: 6-27-98

Location: Sewer 1 Time Sampled: 10⁵⁰A ULI ID No: (entered by lab)

Field Measurements:

Flow: NA (record units)
 Temperature: NA C
 pH: 7.3 std. units
 spec. cond.: / umhos/cm
 turbidity: N NTU
 chlorine res.: A mg/l Cl₂
 sulfite: / mg/l
 dis. oxygen: / mg/l

Weather Conditions: 75° sunny

Appearance/Observations: Brown

If testing for cyanide:

If testing for phenolics:

chlorine res. N/A

chlorine res. NA

sulfide /A

Location: Sewer 2 Time Sampled: 11⁰⁰A ULI ID No: (entered by lab)

Field Measurements:

Flow: 86,355 gals (record units)
 Temperature: NA C
 pH: 8.0 std. units
 spec. cond.: / umhos/cm
 turbidity: N NTU
 chlorine res.: A mg/l Cl₂
 sulfite: / mg/l
 dis. oxygen: / mg/l

Weather Conditions: INSIDE

Appearance/Observations: Cloudy

If testing for cyanide:

If testing for phenolics:

chlorine res. N/A

chlorine res. NA

sulfide /A

Location: _____ Time Sampled: _____ ULI ID No: (entered by lab)

Field Measurements:

Flow: _____ (record units)
 Temperature: _____ C
 pH: _____ std. units
 spec. cond.: _____ umhos/cm
 turbidity: _____ NTU
 chlorine res.: _____ mg/l Cl₂
 sulfite: _____ mg/l
 dis. oxygen: _____ mg/l

Weather Conditions: _____

Appearance/Observations: _____

If testing for cyanide:

If testing for phenolics:

chlorine res. _____

chlorine res. _____

sulfide _____

Sampler (print): Keith Williams Signature: Keith Williams Date: 6/27/98

ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

Client: General Superplating
 Object: Quarterly Day 4 (Per Client)
 Date: 6-23-96

Location: Stream 1 Time Sampled: 10⁵⁵A ULI ID No. (entered by lab)

Field Measurements:

Flow: NA (record units)
 Temperature: NA °C
 pH: 7.8 std. units
 Spec. Cond.: NA umhos/cm
 Turbidity: NA NTU
 Chlorine Res.: NA mg/l Cl₂
 Sulfide: NA mg/l
 Diss. Oxygen: NA mg/l

Weather Conditions:

75° Sunny

Appearance/Observations: ET Blown

If testing for cyanide:

Chlorine Res.: NA
 Sulfide: NA

If testing for phenolics:

Chlorine Res.: NA

Location: Time Sampled: ULI ID No. (entered by lab)

Field Measurements:

Flow: (record units)
 Temperature: °C
 pH: std. units
 Spec. Cond.: umhos/cm
 Turbidity: NTU
 Chlorine Res.: mg/l Cl₂
 Sulfide: mg/l
 Diss. Oxygen: mg/l

Weather Conditions:

Appearance/Observations:

If testing for cyanide:

Chlorine Res.:
 Sulfide:

If testing for phenolics:

Chlorine Res.:

Location: Time Sampled: ULI ID No. (entered by lab)

Field Measurements:

Flow: (record units)
 Temperature: °C
 pH: std. units
 Spec. Cond.: umhos/cm
 Turbidity: NTU
 Chlorine Res.: mg/l Cl₂
 Sulfide: mg/l
 Diss. Oxygen: mg/l

Weather Conditions:

Appearance/Observations:

If testing for cyanide:

Chlorine Res.:
 Sulfide:

If testing for phenolics:

Chlorine Res.:

Sampler (print): Kath Williams Signature: Kath Williams Date: 6/23/96

CLIENT General Superfining

DATE(S) 6/24-25/96

PROJECT Quarterly DAY 1 of 3

LOCATION Sewer 1

6SP-Sewer

6/24/96

6³⁰

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Cal TO

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MEASUREMENTS

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ANALYTICAL MEASUREMENTS

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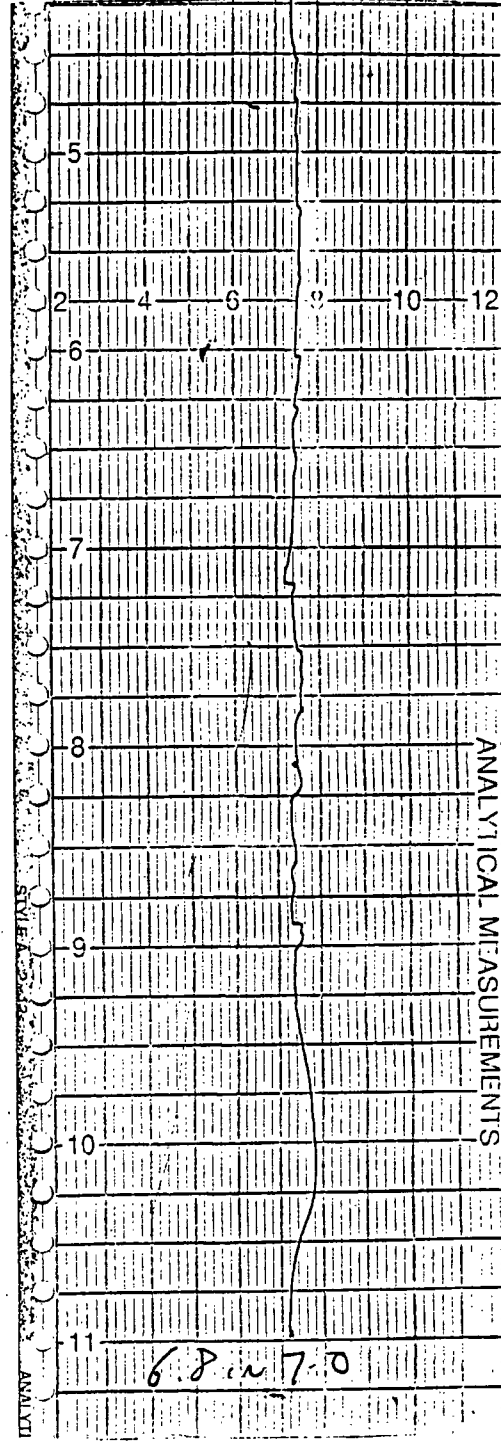
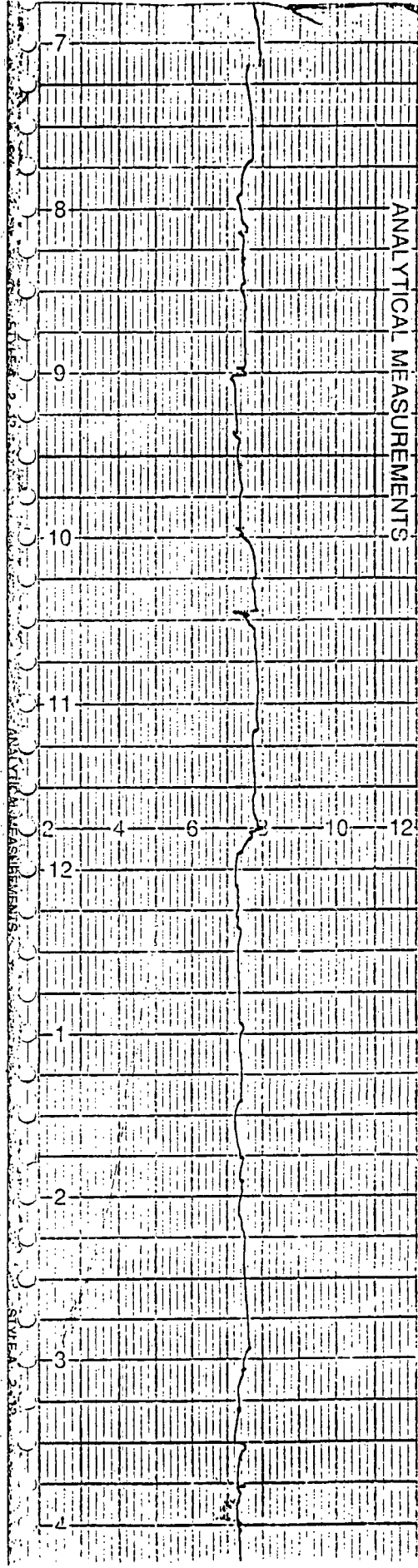
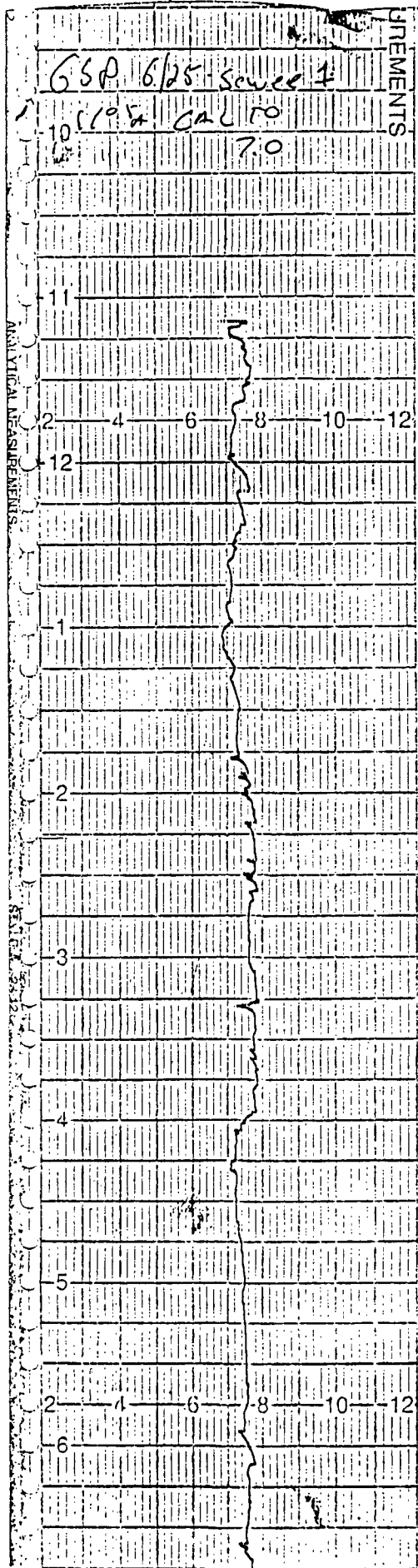
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CLIENT General Superplating

DATE(S) 6/25-26/96

PROJECT Quarterly DAY 2 of 3

LOCATION Sewer 1

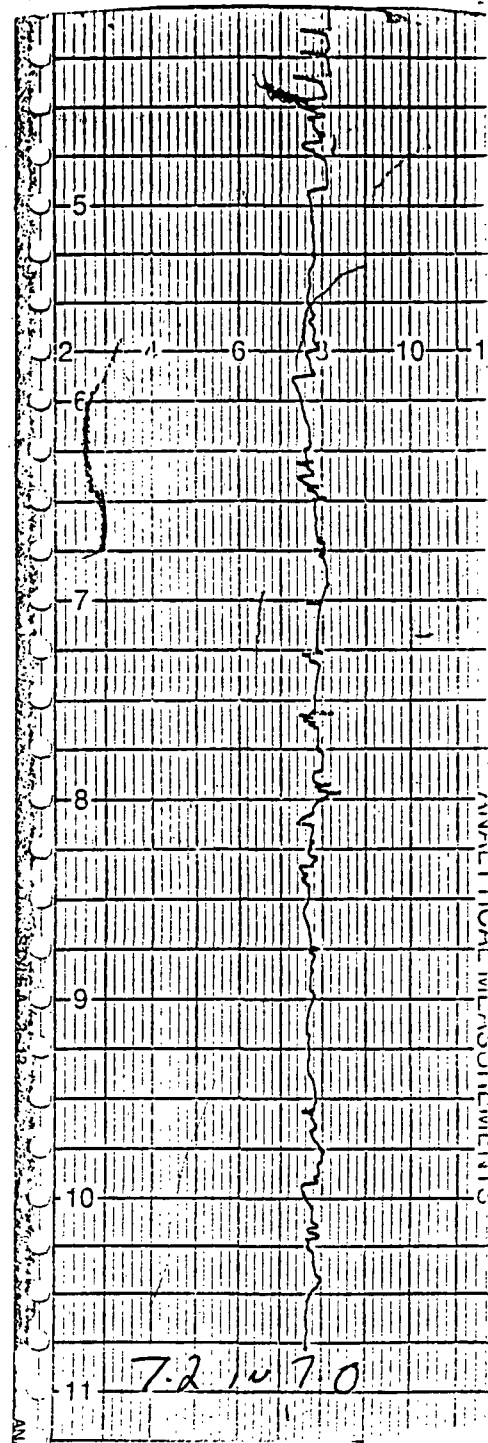
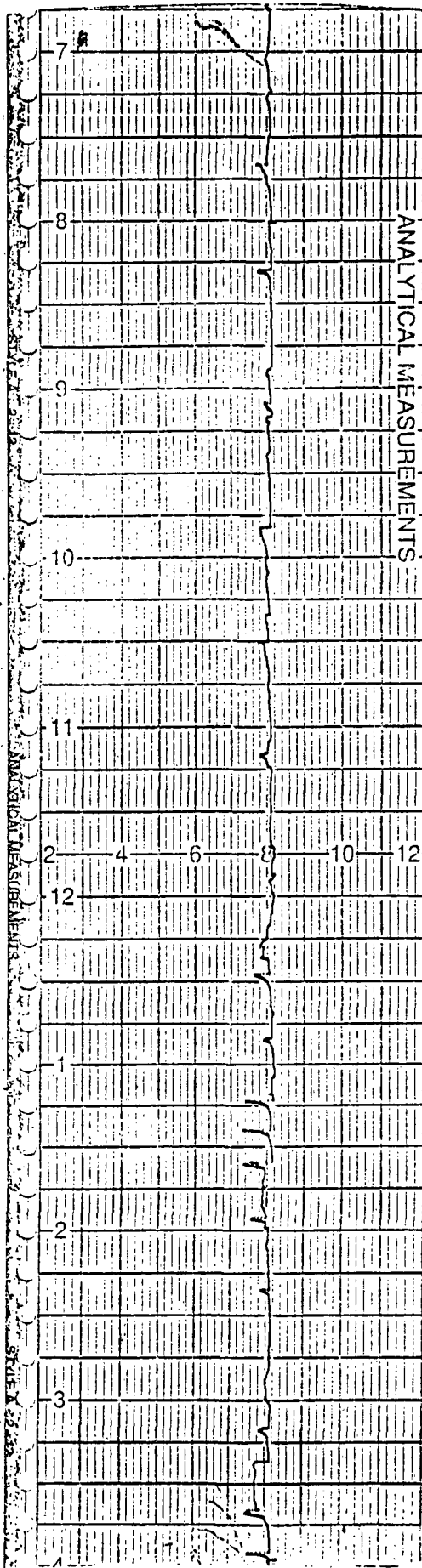
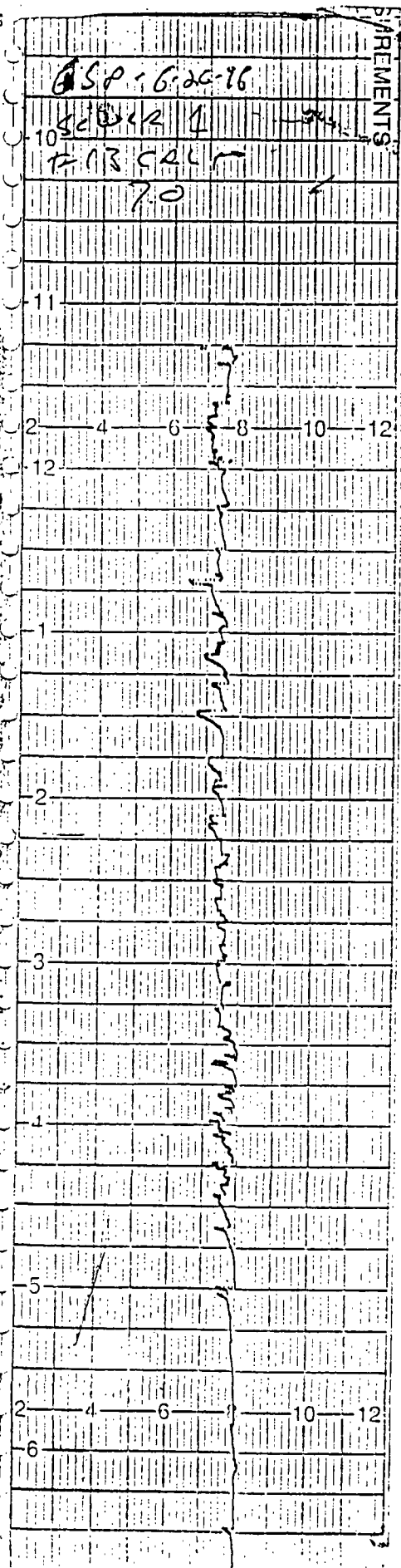


CLIENT GENERAL SUPERPLATING

DATE(S) 6/26-27/96

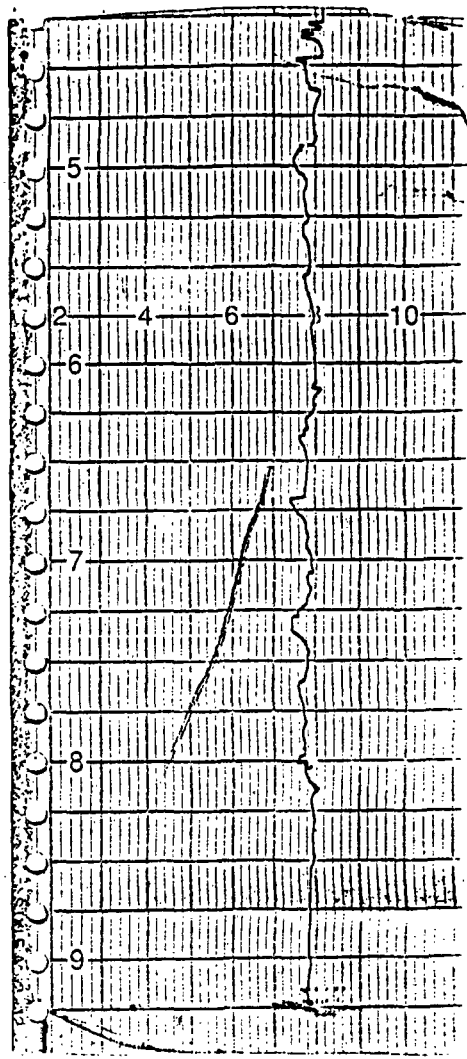
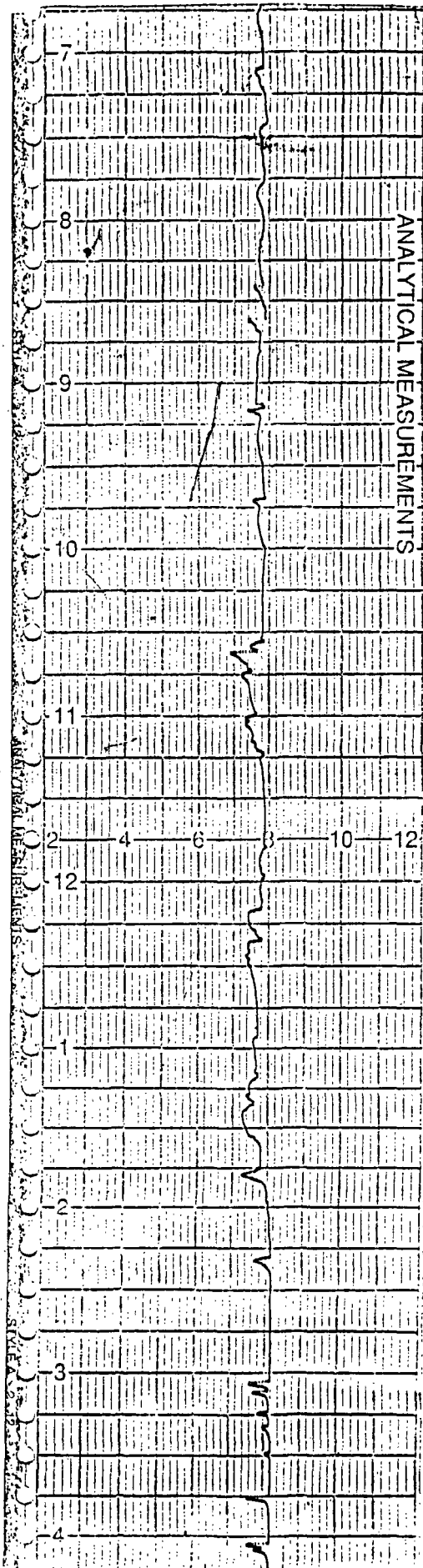
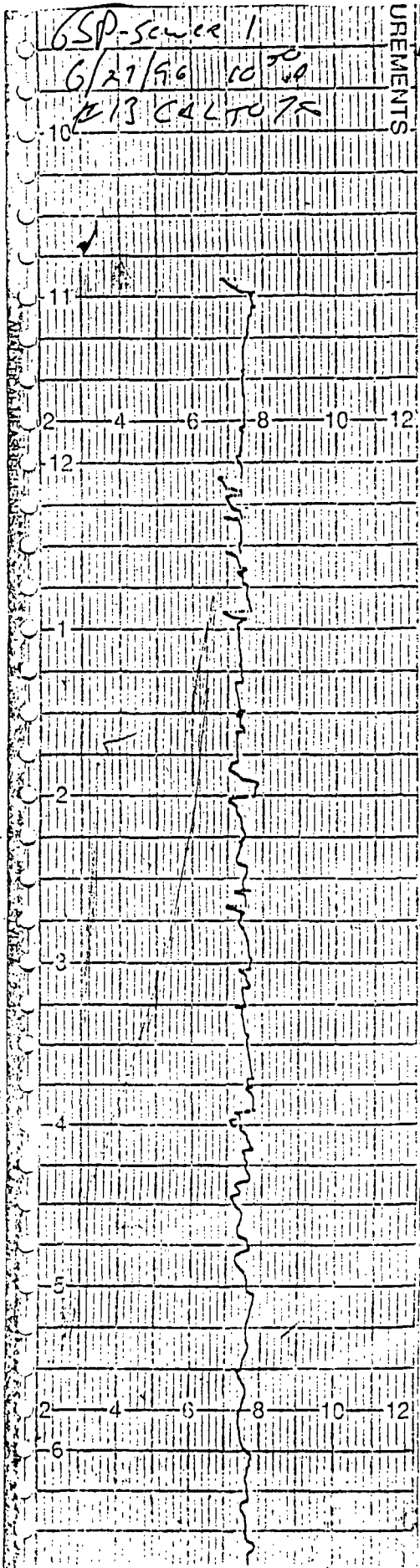
PROJECT QUARTERLY DAY 30F3

LOCATION SEWER 4



CLIENT GENERAL SUPERPLATING DATE(S) 6/27-28/96

PROJECT QUARTERLY DAY 4 (per client) LOCATION Sewer 1



Upstate Laboratories, Inc.

034 Corporate Drive E. Syracuse New York 13057

15) 437 0255

Fax 437 1209

Chain Of Custody Record

17796022-25

7/10

Client: GENERAL SUPER PLATING		Project # / Project Name QUARTERLY DAY <u>1</u> OF 3				No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks
Client Contact: JOHN JODOIN	Phone # 446-2264	Location (city/state) Address SYRACUSE, NY															
Sample ID	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only												
SEWER 2 PRETREATMENT	6-24-96 6-25-96	10:40A 10:40A	H/20	COMP		2	X		X	X							
SEWER 2 PRETREATMENT	6/25/96	11 ⁰⁵ A		GRAB		1		X			X						
SEWER 1 SANITARY	6-24-96 6-25-96	10:30A 10:30A		COMP		3					X	X		X			
SEWER 1 SANITARY	6/25/96	11 ⁰⁰ A	H/20	GRAB		3		X			X			X		X	

parameter and method	sample bottle:	type	size	pres.	Sampled by: (Print)	Name of Courier (if used)		
1) CR+6		PLASTIC	500ml	NONE	Keith Williams UET			
2) A-CN, T-CN		PLASTIC	4000ml	NAOH				
3) T-CD, CR*, CU, PB, NI, AG, ZN		PLASTIC	500ml	HNO3				
4) FLOW		N/A			Relinquished by: (Signature)	Date	Time	Received by: (Signature)
5) FIELD PH		N/A			Relinquished by: (Signature)	Date	Time	Received by: (Signature)
6) BOD5, TSS		PLASTIC	2000ml	NONE				
7) TKN, T-P		PLASTIC	500ml	H2SO4				
8) O&G		GLASS	32oz	H2SO4	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
9) T-CR*, PB, MO*, NI, ZN		PLASTIC	500ml	HNO3				
10) FLASHPOINT		PLASTIC	250ml	NONE				
Note: The numbered columns above cross reference with the numbered columns in the upper right hand corner.					Relinquished by: (Signature)	Date	Time	Rec'd for Lab by: (Signature)
					Keith Williams	6/26	11A	K. Williams

Client		Client Project # / Project Name					No. of Containers												Special Turnaround Time _____ (Lab Notification required)
GENERAL SUPER PLATING	Client Contact	Phone #	Site Location (city/state)					1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	Remarks
Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only														
SEWER 2 PRETREATMENT	6-25-96	11:10 A	H2O	COMP	1996011	(2)	X	X	X	X									
SEWER 2 PRETREATMENT	6-26-96	11:05 A		GRAB	12	(2)		X			X								
SEWER 1 SANITARY	6-25-96	11:20 A		COMP	13	(3)						X	X			X			
SEWER 1 SANITARY	6-26-96	11:22 A	H2O	GRAB	14	(2)		X			X				X				
parameter and method																			
sample bottle:			type	size	pres.	Sampled by: (Please Print)					ULI Internal Use Only								
1) PH			PLASTIC	120ml	NONE	Keth Williams					Delivery (check one):								
2) CR+6			PLASTIC	500ml	NONE	Company: ULI					<input type="checkbox"/> ULI Sampled								
3) A-CN, T-CN			PLASTIC	4000ml	NAOH	Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
4) T-CD, CR*, CU, PB, NI, AG, ZN			PLASTIC	500ml	HN03	Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
5) FLOW			N/A			Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
6) FIELD PH						Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
7) BOD5, TSS			PLASTIC	2000ml	NONE	Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
8) TKN, T-P			PLASTIC	500ml	H2S04	Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
9) O&G			GLASS	32oz	H2S04	Relinquished by: (Signature)					Date	Time	Received by: (Signature)						
10) T-CR*, PB, MO*, NI, ZN			PLASTIC	500ml	HN03	Relinquished by: (Signature)					Date	Time	Rec'd for Lab by: (Signature)						
11)						Keth Williams					6/26/96	11:44	C. Najdek						

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Fair Lawn (NJ)

7/12

Enir 1 sur 1811

Upstate Laboratories, Inc.

6034 Corporate Drive • E. Syracuse, NY 13057-1017
(315) 437 0255 Fax 437 1209

Chain Of Custody Record

7/15

Client GENERAL SUPER PLATING		Client Project # / Project Name QUARTERLY DAY 4 4 (per client)				No. of Containers												Special Turnaround Time (Lab Notification required)
Client Contact JOHN JODOIN	Phone # 446-2264	Site Location (city/state) SYRACUSE, NY					1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	Remarks
Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only													
SEWER 2 PRETREATMENT				COMP		2	X	X		X	X							
SEWER 2 PRETREATMENT				GRAB		2			X		X							
SEWER 1 SANITARY	6-27-96 6-23-96	10:55A 10:30A	H ₂ O	COMP	180916092	3						X	X			X		
SEWER 1 SANITARY	6-23-96	10:35A	H ₂ O	GRAB	93	2			X		X				X			
parameter and method	sample bottle:	type	size	pres.	Sampled by: (Please Print) Keith Williams				ULI Internal Use Only Delivery (check one): <input type="checkbox"/> ULI Sampled <input type="checkbox"/> Pickup <input type="checkbox"/> Dropoff <input type="checkbox"/> CC									
1) PH		PLASTIC	120ml	NONE	Company: ULI													
2) CR+6		PLASTIC	500ml	NONE														
3) A-CN, T-CN		PLASTIC	4000ml	NAOH	Relinquished by: (Signature)				Date	Time	Received by: (Signature)							
4) T-CD, CR*, CU, PB, NI, AG, ZN		PLASTIC	500ml	HN03														
5) FLOW		N/A																
6) FIELD PH																		
7) BOD5, TSS		PLASTIC	2000ml	NONE	Relinquished by: (Signature)				Date	Time	Received by: (Signature)							
8) TKN, T-P		PLASTIC	500ml	H2S04														
9) O&G		GLASS	32oz	H2S04	Relinquished by: (Signature)				Date	Time	Received by: (Signature)							
10) T-CR*, PB, MO*, NI, ZN		PLASTIC	500ml	HN03														
11)					Relinquished by: (Signature)				Date	Time	Rec'd for Lab by: (Signature)							
Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.					Keith Williams				6/27/96	1/05	C. Nagdet							

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209
Mailing: Box 289 • Syracuse, NY 13206
Albany (518) 459-3134
Binghamton (607) 724-0478

Buffalo (716) 649-2533
Rochester (716) 436-9070
New Jersey (201) 703-1324

June 28, 1996

Mr. William Southwell
Vice-President, General Mgr.
General Super Plating Co., Inc.
5762 Celi Dr.
E. Syracuse, NY 13057

Re: Analysis Report #16496107 - Quarterly

Dear Mr. Southwell:

Please find enclosed the results for your samples which were collected by ULI personnel on June 12, 13 and 14, 1996.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.


Anthony J. Scala
Director

AJS/lw

Enclosures: report, field data, strip charts, invoice

cc/encs: N. Scala, ULI
file

Note: Sewer 1 was collected only one day due to a pH excursion.

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

Upstate Laboratories inc.

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New Jersey (201) 703-1324

June 28, 1996

Mr. William Southwell
Vice-President, General Mgr.
General Super Plating Co., Inc.
5762 Celi Dr.
E. Syracuse, NY 13057

Re: Self-Monitoring

Dear Mr. Southwell:

This letter is in response to a request from the Onondaga County Department of Drainage and Sanitation regarding sampling techniques used for your Self-Monitoring Compliance.

Composite samples are collected using a microprocessor-controlled, peristaltic pump sampler programmed to collect a sample aliquot every thirty (30) minutes. At the completion of a sampling event, the composite is poured into appropriate preserved containers. Grab samples for pH are collected in the field, done at the initial and ending sampling periods daily. If composite pH readings are required, they are done when received at the laboratory. The pH readings are accomplished using a two-point calibrated pH meter. Calibration occurs daily.

Grab samples are collected using a glass jar lowered into the effluent sump. For oil and grease, a glass quart jar is retrieved and then preserved with sulfuric acid. Volatile TTO samples are collected with a separate glass container and then poured off into an appropriate headspace container.

Upstate Laboratories, Inc. follows sampling guidelines set forth in "Standard Methods for the Examination of Water and Wastewater," as well as the EPA's "Handbook for Sampling and Sample Preservation of Water and Wastewater."

Should you have any questions regarding this matter, please feel free to call me.

Very truly yours,
UPSTATE LABORATORIES, INC.


Bryan F. Valentine
Technical Services Manager

BFV/lw

DATE: 06/28/96

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:16496107 Mat:Water QUARTERLY DAY 10F3 SEWER 2 PRETREATMENT 0945-0945H 06/12/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	75,437gal		FIELD
Hexavalent Chromium	0.04mg/l		WB3245
Total Cadmium	<0.005mg/l		MA6419
Total Chromium by furnace method	0.039mg/l		MA6446
Total Copper	0.11mg/l		MA6419
Total Lead	<0.1mg/l		MA6419
Total Nickel	0.73mg/l		MA6419
Total Silver	<0.05mg/l		MA6419
Total Zinc	0.02mg/l		MA6419

ID:16496108 Mat:Water QUARTERLY DAY 10F3 SEWER 2 PRETREATMENT 1000H 06/12/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	8.5SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3318
Total Cyanide	<0.01mg/l		WB3318

ID:16496109 Mat:Water QUARTERLY DAY 10F3 SEWER 1 SANITARY 0940-0940H 06/12/96 C

PARAMETERS	RESULTS	KEY	FILE#
BOD5	38mg/l		WB3287
Total Kjeldahl Nitrogen	43mg/l		WB3373
Total Phosphorus	2.5mg/l		WB3422
Total Suspended Solids	8mg/l		WB3279
Total Chromium by furnace method	0.51mg/l		MA6446
Total Lead	<0.1mg/l		MA6419
Total Molybdenum by furnace method	<0.01mg/l		MA6415
Total Nickel	0.15mg/l		MA6419
Total Zinc	0.07mg/l		MA6419

ID:16496110 Mat:Water QUARTERLY DAY 10F3 SEWER 1 SANITARY 0945H 06/12/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	8.1SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3318
Flash Point	>60degC		WB3343
Oil & Grease	<5mg/l		WB3398
Total Cyanide	<0.01mg/l		WB3318

DATE: 06/28/96

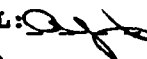
ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: 

QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:16596057 Mat:Water QUARTERLY DAY 2OF3 SEWER 2 PRETREATMENT 1010-0925H 06/13/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	85,364gal		FIELD
Hexavalent Chromium	0.09mg/l		WB3258
Total Cadmium	<0.005mg/l		MA6408
Total Chromium by furnace method	0.093mg/l		MA6446
Total Copper	0.11mg/l		MA6408
Total Lead	<0.1mg/l		MA6408
Total Nickel	0.81mg/l		MA6408
Total Silver	<0.05mg/l		MA6408
Total Zinc	<0.01mg/l		MA6408

ID:16596058 Mat:Water QUARTERLY DAY 2OF3 SEWER 2 PRETREATMENT 0930H 06/13/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	8.8SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3318
Total Cyanide	<0.01mg/l		WB3318

DATE: 06/28/96


ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: 
QC: 

Lab I.D.: 10170

Sampled by: ULI

ID:16696109 Mat:Water QUARTERLY DAY 3OF3 SEWER 2 PRETREATMENT 0930-1150H 06/14/96 C

PARAMETERS	RESULTS	KEY	FILE#
Flow	94,061gal		FIELD
Hexavalent Chromium	0.20mg/l		WB3285
Total Cadmium	<0.005mg/l		MA6410
Total Chromium by furnace method	0.18mg/l		MA6446
Total Copper	0.07mg/l		MA6410
Total Lead	<0.1mg/l		MA6410
Total Nickel	0.48mg/l		MA6410
Total Silver	<0.05mg/l		MA6410
Total Zinc	0.01mg/l		MA6410

ID:16696110 Mat:Water QUARTERLY DAY 3OF3 SEWER 2 PRETREATMENT 1150H 06/14/96 G

PARAMETERS	RESULTS	KEY	FILE#
Field pH	9.0SU		FIELD
Amenable Cyanide	<0.01mg/l		WB3359
Total Cyanide	<0.01mg/l		WB3359

UPSTATE LABORATORIES, INC.

Analysis Results

Report Number 16496107

Date: June 28, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D. GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 1 SANITARY)	DEPARTMENT OF HEALTH CODES *		
ULI I.D.	--		
Field pH	2202		
BOD5	2057		
Total Kjeldahl Nitrogen	2230		
Total Phosphorus	2333		
Total Suspended Solids	2349		
Amenable Cyanide	2179		
Flash Point	4000		
Oil & Grease	2291		
Total Cyanide	2166/2171		
<u>TOTAL:</u>			
Chromium by furnace method	2137		
Lead	2017		
Molybdenum by furnace method	2266		
Nickel	2017		
Zinc	2017		

*DOH Method 2010 used for Digestion.

Sampled by ULI.

NYS DOH I.D.: 10170.

Approved:  6/28/96

Note: See disclaimer on cover letter.

UPSTATE LABORATORIES, INC.

Analysis Results

Report Number 16496107

Date: June 28, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D.	DEPARTMENT OF HEALTH CODES *	3 DAY AVERAGE **	
GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 2 PRETREATMENT)			
ULI I.D.	--	--	
Field pH	2202	8.8SU	
Hexavalent Chromium	9146	0.11mg/l	
Amenable Cyanide	2179	<0.01mg/l	
Total Cyanide	2166/2171	<0.01mg/l	
<u>TOTAL:</u>			
Cadmium	2017	<0.005mg/l	
Chromium by furnace method	2137	0.10mg/l	
Copper	2017	0.10mg/l	
Lead	2017	<0.1mg/l	
Nickel	2017	0.67mg/l	
Silver	2017	<0.05mg/l	
Zinc	2017	0.01mg/l	

*DOH Method 2010 used for Digestion.

**Average results are from samples taken 6/12, 6/13 and 6/14/96.

Sampled by ULI.

NYS DOH I.D.: 10170

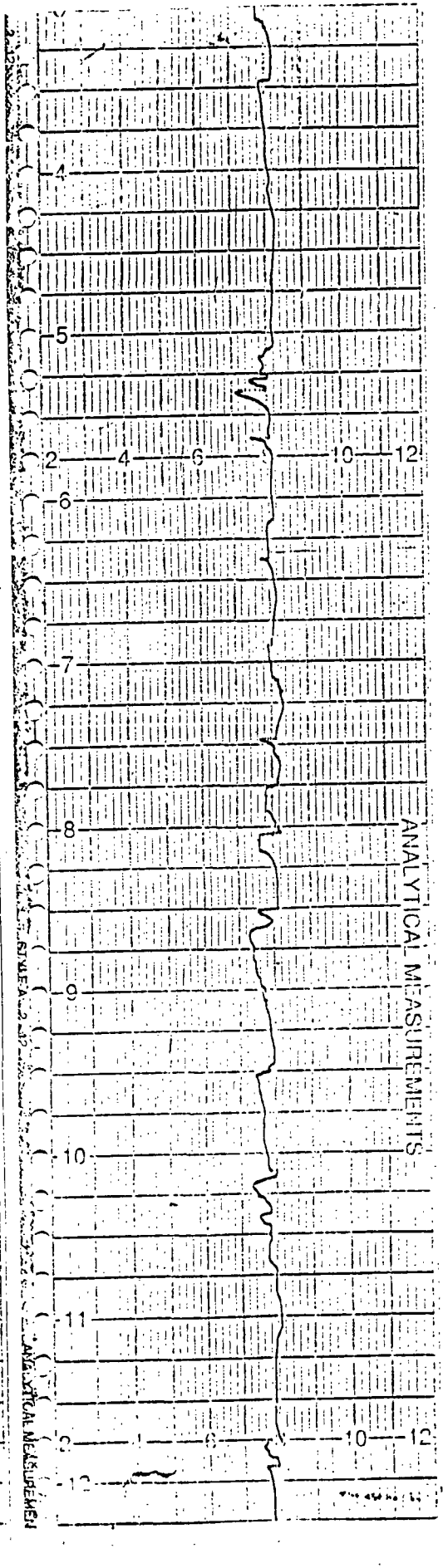
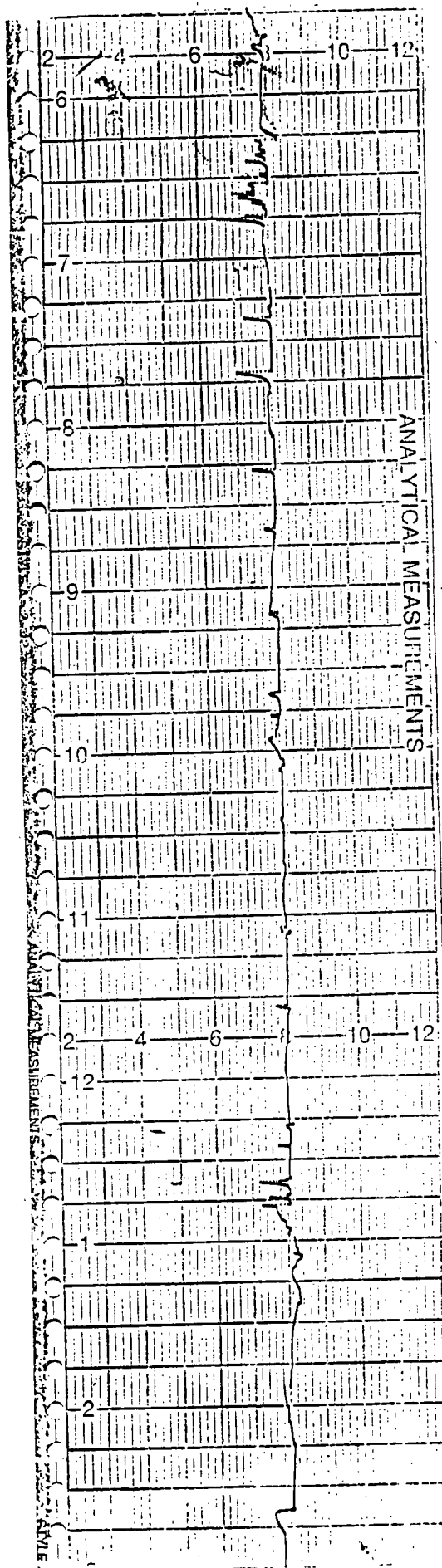
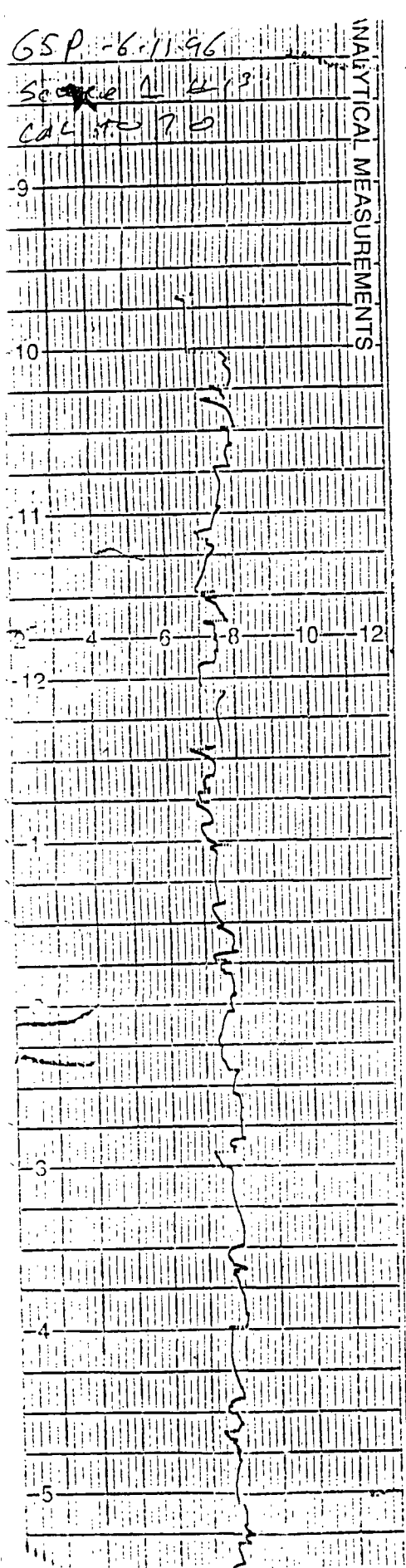
Approved: 

6/28/96

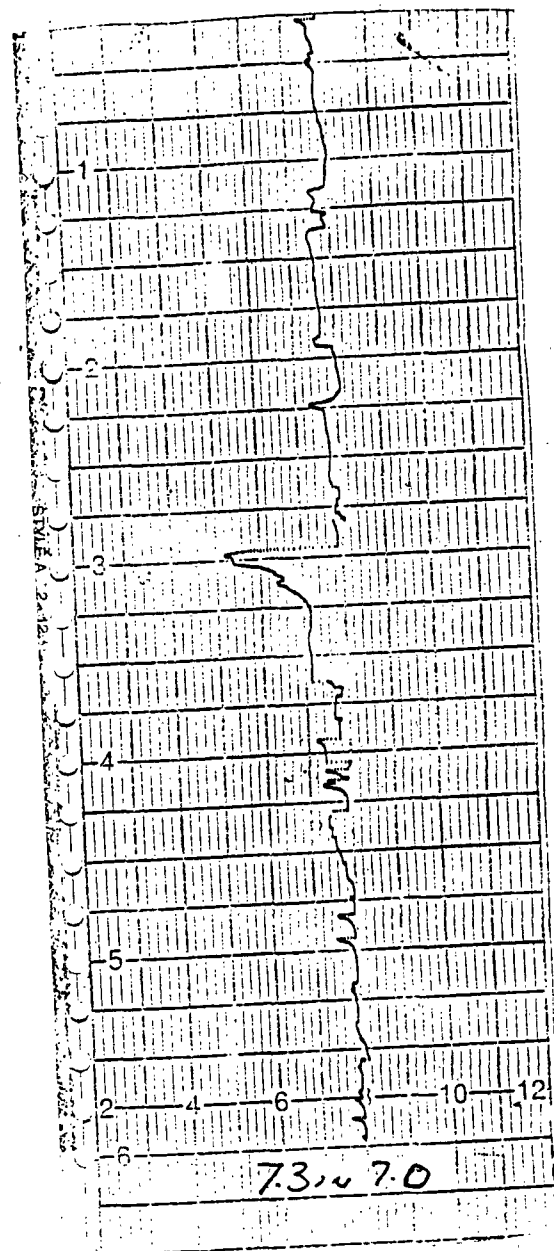
Note: See disclaimer on cover letter.

STRIP CHART WORKSHEET

CLIENT GENERAL SUPER PLATING DATE(S) 6-11-96
 PROJECT Quarterly LOCATION Sewer #1



CLIENT General Super Plating DATE(S) 6-11-12-96
PROJECT Quarterly LOCATION Sewer # 1



ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

ent: General Superfating
 oject: Quarterly WQY 1aF3
 te: 6-12-96

ocation Sewer 1 Time Sampled: 9⁴⁵A ULI ID No. (entered by lab) _____
 Weather Conditions: 76° Sunny
 Field Measurements: (record units)
 flow N/A
 temperature N/A C
 pH 8.1 std. units
 spec. cond. / umhos/cm
 turbidity N NTU
 chlorine res. /P mg/l Cl2
 sulfite / mg/l
 dis. oxygen / mg/l

If testing for cyanide: chlorine res. N/A sulfide N/A
 If testing for phenolics: chlorine res. N/A

ocation Sewer 2 Time Sampled: 10⁰⁰A ULI ID No. (entered by lab) _____
 Weather Conditions: INDIC
 Field Measurements: (record units)
 flow 75.437 Gals
 temperature N/A C
 pH 8.5 std. units
 spec. cond. / umhos/cm
 turbidity N NTU
 chlorine res. /P mg/l Cl2
 sulfite / mg/l
 dis. oxygen / mg/l

If testing for cyanide: chlorine res. N/A sulfide N/A
 If testing for phenolics: chlorine res. N/A

ocation _____ Time Sampled: _____ ULI ID No. (entered by lab) _____
 Weather Conditions: _____
 Field Measurements: (record units)
 flow _____
 temperature _____ C
 pH _____ std. units
 spec. cond. _____ umhos/cm
 turbidity _____ NTU
 chlorine res. _____ mg/l Cl2
 sulfite _____ mg/l
 dis. oxygen _____ mg/l

If testing for cyanide: chlorine res. _____ sulfide _____
 If testing for phenolics: chlorine res. _____

ampler (print): Keith Williams Signature: Keith Williams Date: 8/12/96

ap Water / Surface Water / Wastewater Field Log

Revised: 3/05

Client: GENERAL SUPERPLATING
 Object: QUARTERLY DAY 2 of 3
 Date: 6-13-96

Location: Sewer 2 Time Sampled: 9³⁰ A ULI ID No. (entered by lab): _____

Field Measurements: (record units)

Flow	<u>8.5384 GALS</u>	
Temperature	<u>NA</u>	C
pH	<u>8.8</u>	std. units
spec. cond.	<u>/</u>	umhos/cm
turbidity	<u>N</u>	NTU
chlorine res.	<u>/</u>	mg/l Cl2
sulfite	<u>/</u>	mg/l
dis. oxygen	<u>/</u>	mg/l

Weather Conditions: IN.SIDE

Appearance/Observations: CLOUDY

If testing for cyanide: chlorine res. NA sulfide NA

If testing for phenolics: chlorine res. NA

Location: _____ Time Sampled: _____ ULI ID No. (entered by lab): _____

Field Measurements: (record units)

Flow	_____	
Temperature	_____	C
pH	_____	std. units
spec. cond.	_____	umhos/cm
turbidity	_____	NTU
chlorine res.	_____	mg/l Cl2
sulfite	_____	mg/l
dis. oxygen	_____	mg/l

Weather Conditions: _____

Appearance/Observations: _____

If testing for cyanide: chlorine res. _____ sulfide _____

If testing for phenolics: chlorine res. _____

Location: _____ Time Sampled: _____ ULI ID No. (entered by lab): _____

Field Measurements: (record units)

Flow	_____	
Temperature	_____	C
pH	_____	std. units
spec. cond.	_____	umhos/cm
turbidity	_____	NTU
chlorine res.	_____	mg/l Cl2
sulfite	_____	mg/l
dis. oxygen	_____	mg/l

Weather Conditions: _____

Appearance/Observations: _____

If testing for cyanide: chlorine res. _____ sulfide _____

If testing for phenolics: chlorine res. _____

Sampler (print): Keith Williams Signature: Keith Williams Date: 6/13/96

Upstate Laboratories, Inc.

File: TS-40-01

Tap Water / Surface Water / Wastewater / Field Log

Revised: 3/95

Client: General Super Plating
Project: Quarterly Day 3 of 3
Date: 6/14/96

Location: Sewer 2 Pretreatment Time Sampled: 11:50A ULI ID No. (entered by lab) _____
Field Measurements: Weather Conditions: Inside
Flow: 94,061 g (record units) Appearance/Observations: _____
Temperature: NA °C
pH: 9.0 std. units
spec. cond.: N umhos/cm
turbidity: _____ NTU
chlorine res.: _____ mg/l Cl₂
sulfite: _____ mg/l
diss. oxygen: A mg/l
If testing for cyanide: chlorine res. N/A
sulfide: A
If testing for phenolics: chlorine res. NA

Location: _____ Time Sampled: _____ ULI ID No. (entered by lab) _____
Field Measurements: Weather Conditions: _____
Flow: _____ (record units) Appearance/Observations: _____
Temperature: _____ °C
pH: _____ std. units
spec. cond.: _____ umhos/cm
turbidity: _____ NTU
chlorine res.: _____ mg/l Cl₂
sulfite: _____ mg/l
diss. oxygen: _____ mg/l
If testing for cyanide: chlorine res. _____
sulfide: _____
If testing for phenolics: chlorine res. _____

Location: _____ Time Sampled: _____ ULI ID No. (entered by lab) _____
Field Measurements: Weather Conditions: _____
Flow: _____ (record units) Appearance/Observations: _____
Temperature: _____ °C
pH: _____ std. units
spec. cond.: _____ umhos/cm
turbidity: _____ NTU
chlorine res.: _____ mg/l Cl₂
sulfite: _____ mg/l
diss. oxygen: _____ mg/l
If testing for cyanide: chlorine res. _____
sulfide: _____
If testing for phenolics: chlorine res. _____

Sampler (print): M. Crawford Signature: [Signature] Date: 6/14/96

State Laboratories, Inc.
034 Corporate Drive E. Syracuse New York 13057
(516) 437 0255 Fax 437 1209

Chain of Custody Record

Client: GENERAL SUPER PLATING

Client Contact: JOHN JODOIN

Phone # 446-2264

Location (city/state) Address SYRACUSE, NY

Project # / Project Name QUARTERLY DAY 1 OF 3

Sample ID

SEWER 2 PRETREATMENT

SEWER 2 PRETREATMENT

SEWER 1 SANITARY

SEWER 1 SANITARY

SEWER 1 SANITARY

SEWER 1 SANITARY

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No. of Containers

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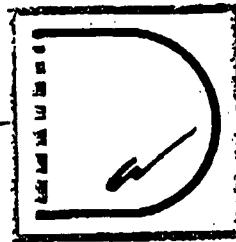
10201

Attachment 2

Quarterly Certified Equipment Calibration Summary

July 29, 1996

General Super Plating Co.
22 Celi Drive
E. Syracuse NY 13057



**Digital
Analysis
Corp**

Attn: Mr. John Jodin

Re: Service Report for Celi Dr.

Mr. Jodin,

The following report details work done and observations made during our scheduled service call on June 17, 1996. The intent of the service call was to verify the integrity of the pertinent instrumentation and their calibration. Please refer to the enclosed check list for detailed information.

The first stage neutralization tank (N1) pH probe was found to be clean and only slightly offset from proper calibration. This probe was calibrated and returned to service.

The second stage neutralization pH probe was found to be clean and only slightly offset from proper calibration. This probe was recalibrated and returned to service.

The chrome destruct pH probe was found to be clean with a slight offset from proper calibration. This probe calibrated fine and was returned to service.

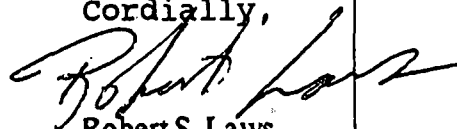
The chrome destruct ORP probe was found to be clean and in good operating condition.. The calibration was verified and the probe was returned to service.

The final effluent pH probe was found to be dirty but in good condition. The pH probe was cleaned, calibrated and returned to service. The final effluent controller/monitor was inspected electronically and found to be in good working condition.

The final effluent flow sensor, recorder and indicator were thoroughly inspected and calibrated. The final pH and flow recorder pens had no offset.

All instrumentation was determined to be in fine working order and met the individual manufacturers original specifications. If I can be of any further assistance then please do not hesitate to call.

Cordially,

A handwritten signature in dark ink, appearing to read "Robert S. Laws", written over the typed name.

Robert S. Laws
Project Coordinator

FORM F : EQUIPMENT CALIBRATION SUMMARY

[illegible]

Digital Analysis Corp.

Service Check List for General Super Plate
Waste Treatment System

Date 6/17/96

Tech / Eng. P.S.L.

Celi Drive:

Neutralization Stage I pH (N1) :

Jenco pH Controller :

Probe inspection

Good / Cleaned

Before Calibration 7.0

6.7

4.0 ~~10.0~~

3.7

After Calibration 4.0

4.0

7.0

7.0

~~10.0~~

Response Time (/ 3pH dev)

3 sec.

Max acceptable response = 10 seconds.

Neutralization Stage II pH (N2) :

Great Lakes pH Controller :

Probe inspection

Good / cleaned.

Before Calibration 7.0

6.9

10.0

9.8

After Calibration 4.0

7.0

7.0

10.0

10.0

Response Time (/ 3pH dev) 2 sec.

Max acceptable response = 10 seconds.

Chrome Destruct pH :

Great Lakes pH Controller :

Probe inspection

Good / cleaned.

Before Calibration 4.0

3.9

7.0

6.87

After Calibration 4.0

4.0

7.0

7.0

Response Time (/ 3pH dev) 3 sec.

Max acceptable response = 10 seconds.

ORP-21 - Jenco ORP Transmitter :

Probe inspection

Good / Clean

Before Calibration 4.0 (98mv)

100

7.0 (268mv)

250

After Calibration 4.0 (98mv)

7.0 (268mv)

Final pH :

Honeywell Circular Chart Recorder : Walchem pH controller

Probe inspection

Dirty / Cleared.

Before Calibration 7.0

6.98

10.0

9.8

After Calibration 4.0

7.0

7.0

10.0

10.0

Response Time (/ 3pH dev)

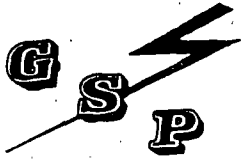
3 sec.

Max acceptable response = 10 seconds.

Flow pen deviation

+ - 3 ppm

Honeywell Recorder "0" pH offset.



GENERAL SUPER PLATING CO., INC.

5762 CELI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

June 17, 1996

John Fazzolari
County of Onondaga Department of
Drainage and Sanitation
650 Hiawatha Boulevard West
Syracuse, NY 13204-1194

Re: Follow-up to Telephone Conference (June 12, 1996)

Dear Mr. Fazzolari

The following is a follow-up to your phone conference with Jean Jodoin from our office on Wednesday, June 12, 1996:

During our quarterly sampling of Sewer #1 (our sanitary sewer), the continuous pH monitor recorded a pH exceedence. The exceedence, a pH of 5.2 Standard Units, occurred at approximately 3:00 a.m. on June 12, 1996 and had a duration of less than 2 minutes. Enclosed is a copy of the section of the chart where the isolated incident occurred. The short duration of the exceedence could indicate a possible equipment malfunction or interference.

Please call if we can provide any further clarification.

Sincerely,

William "Woody" Southwell
VP/General Manager

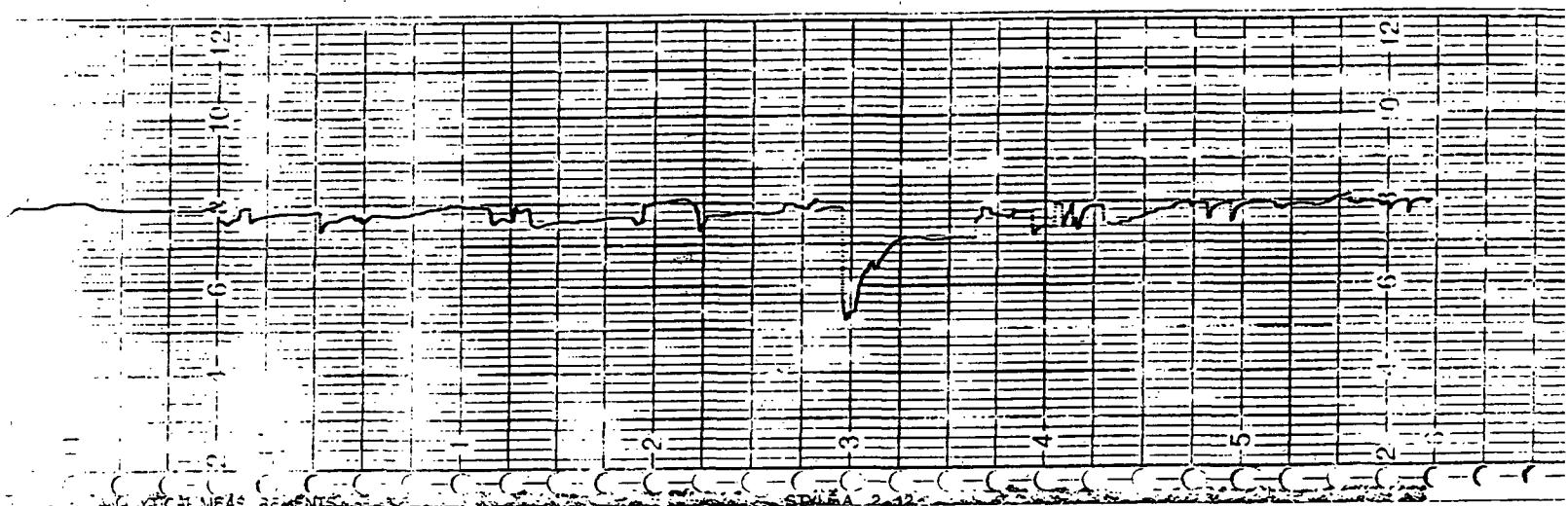
c. J. Jodoin
D. Simmons

Sewer #1 June 11th to June 12th 1996

Time 3AM

PH 5.2 S.U.

Duration < 2 minutes



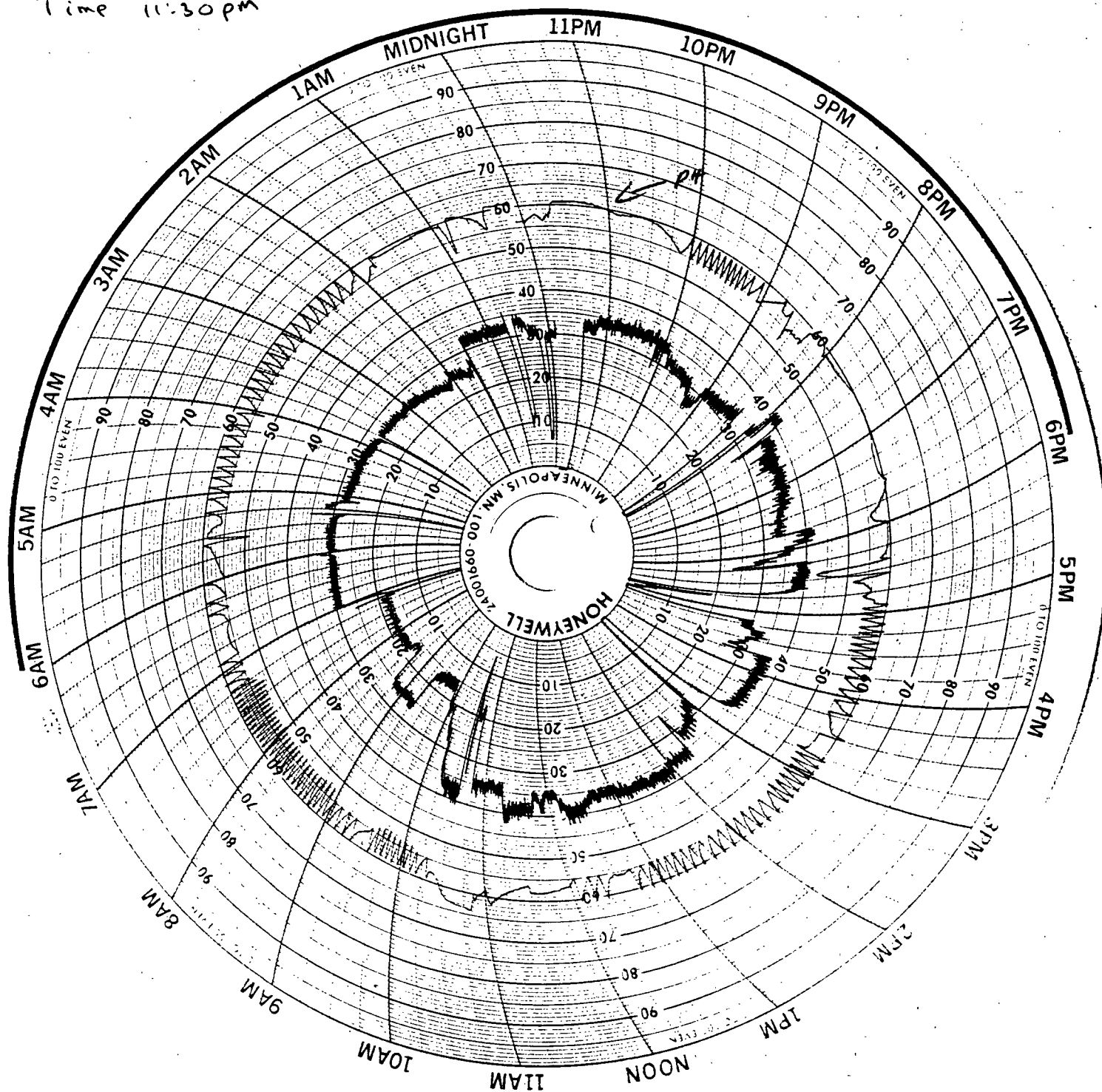
Date 6/11/96

Scale 5.5 - 39.3

9.5 - 67.9

Inst. PH-8.5 S.U.

Time 11:30 PM

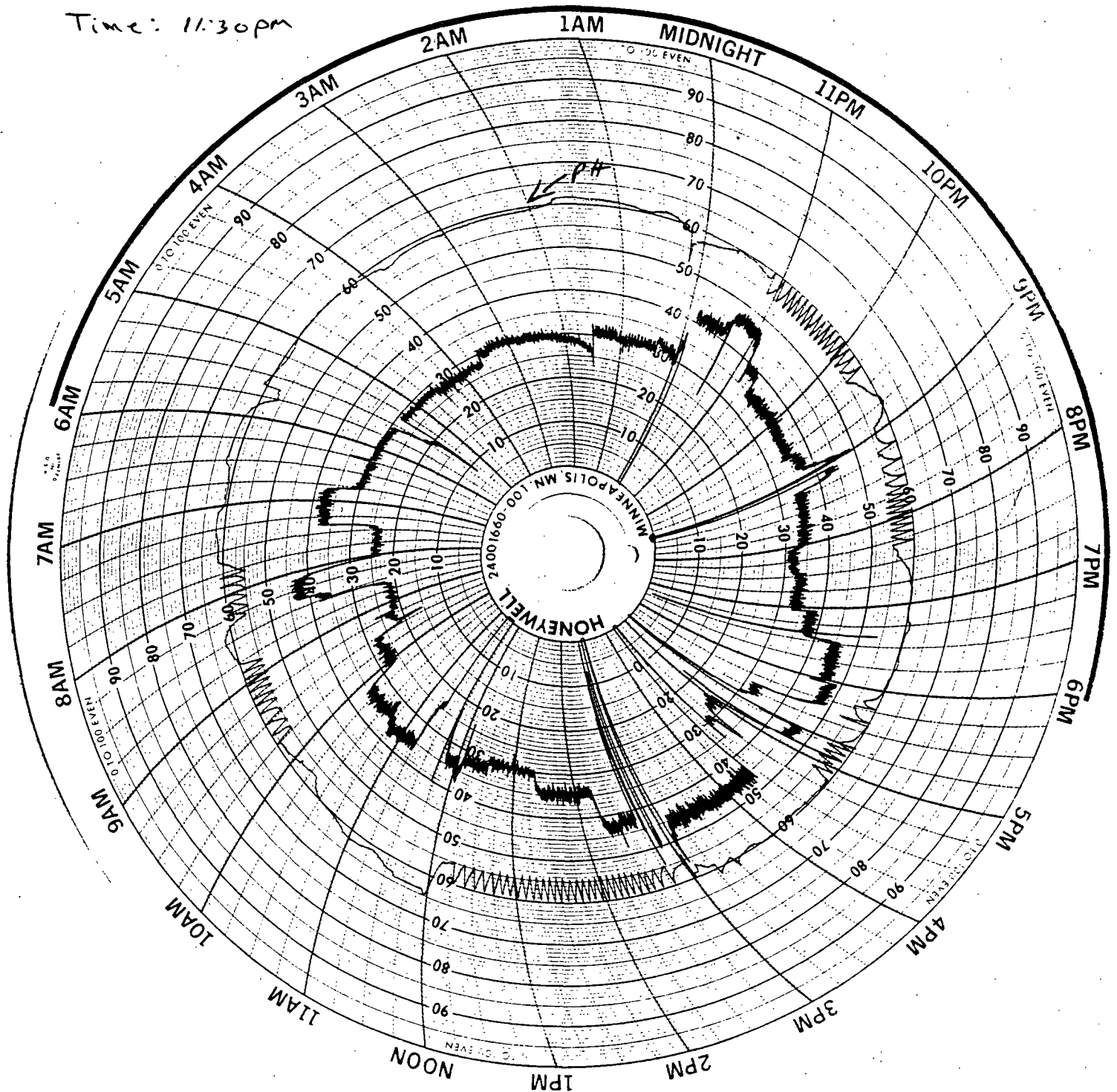


Date 6/12/96

Scale 55-39.3
9.5-67.9

Inst PH: 8.8 SU.

Time: 11:30pm



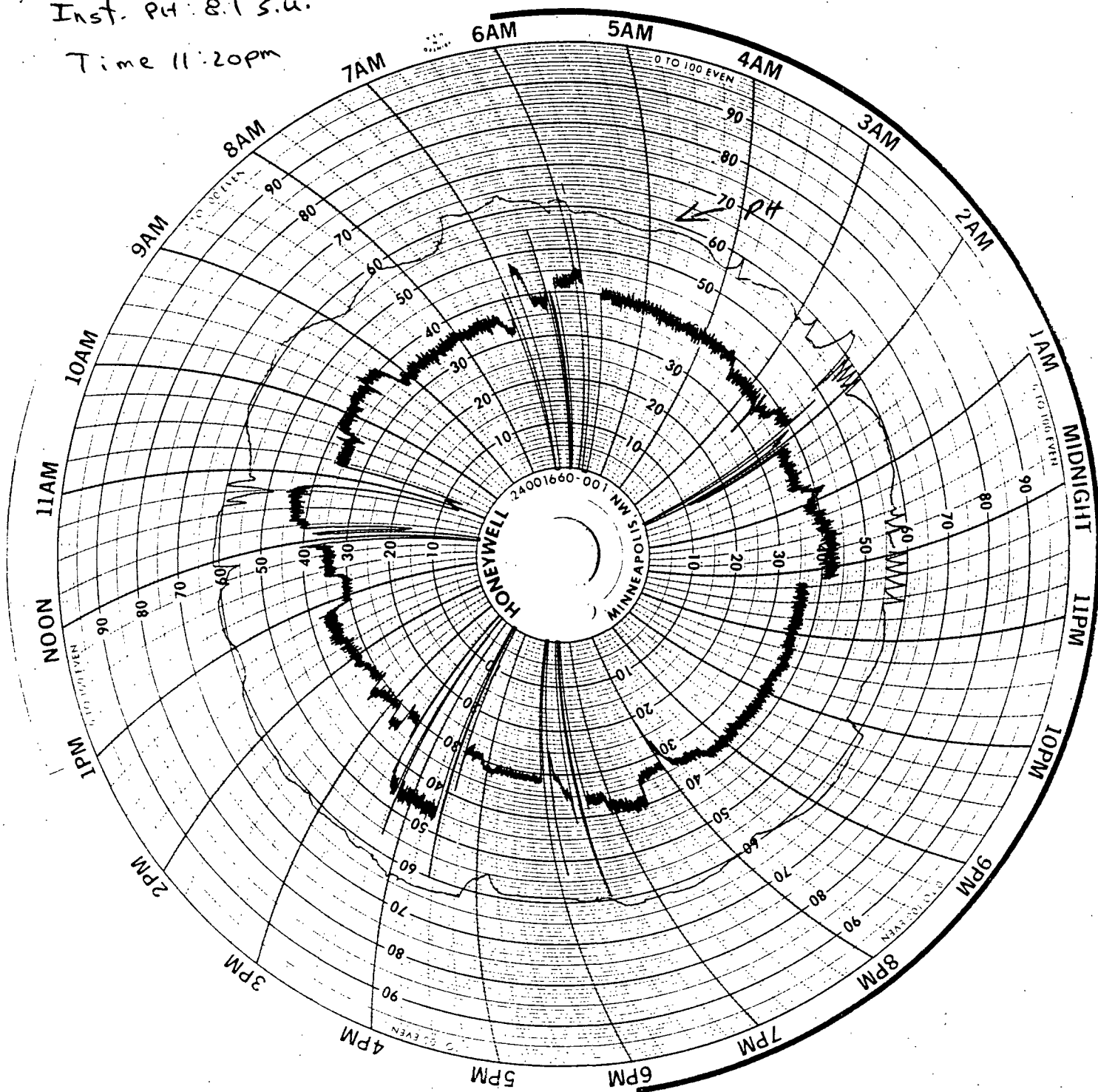
Date: 6/13/46

Seab: S.S-39.3

9.S-67.9

Inst. PH: 8.1 S.U.

Time 11:20pm



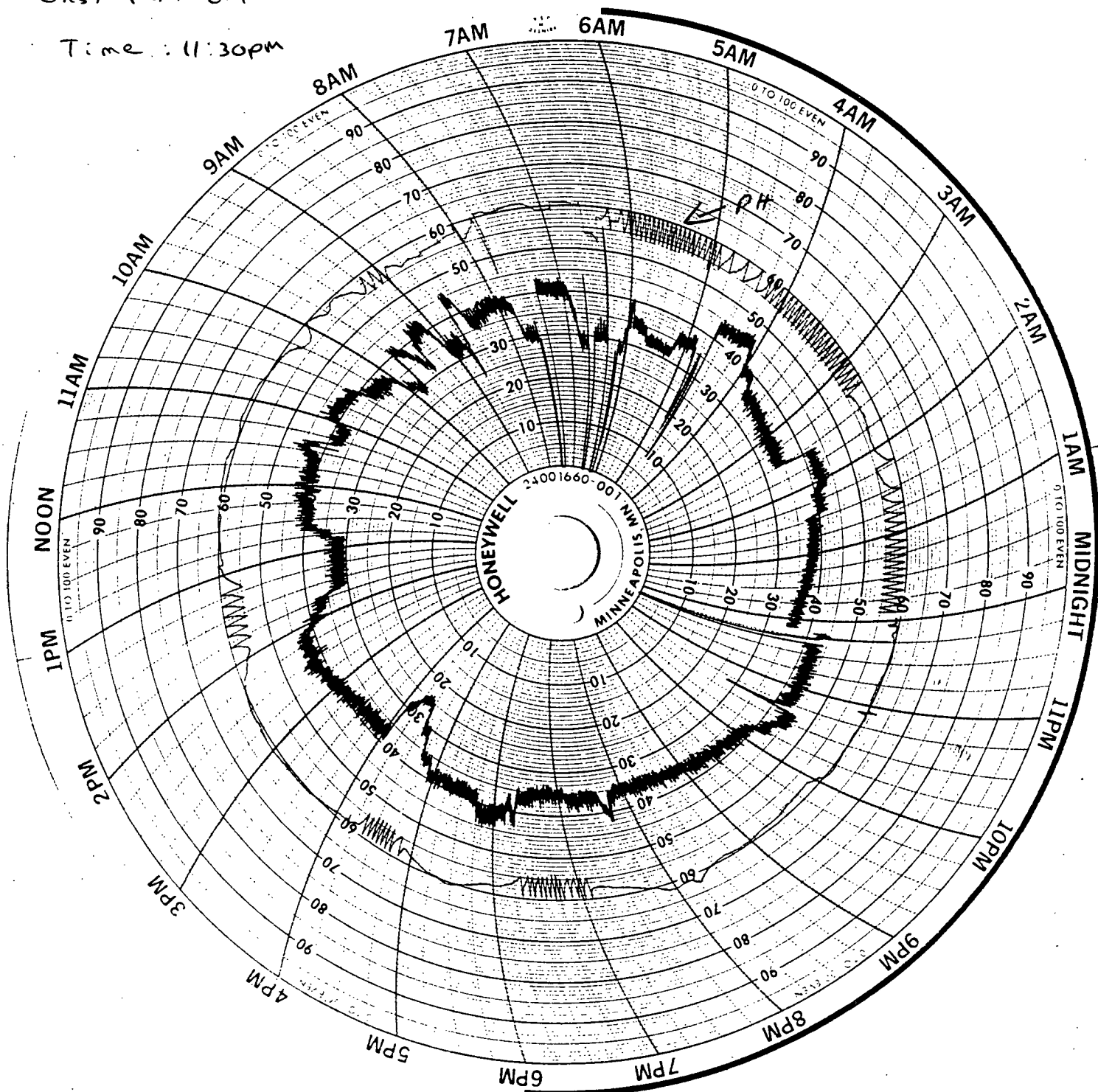
Date 6/14/96

Scale: 5.5 - 39.3

9.5 - 67.9

Inst. pH: 8.4 S.U.

Time: 11:30pm



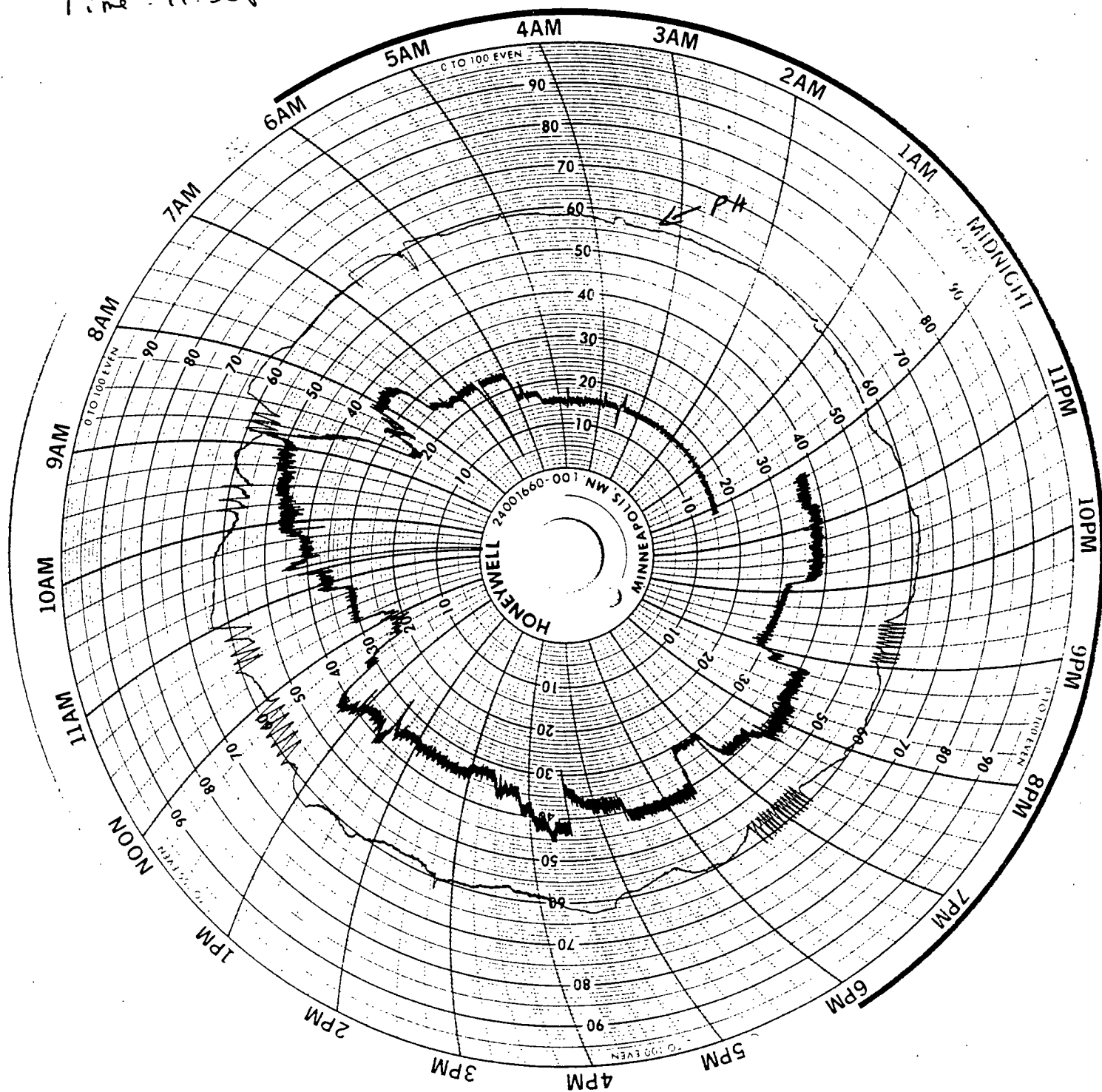
Date 6/24/46

Scale 5.5 - 39.3

9.5 - 67.9

Inst. PH - 8.3 S.U.

Time : 11:30 PM



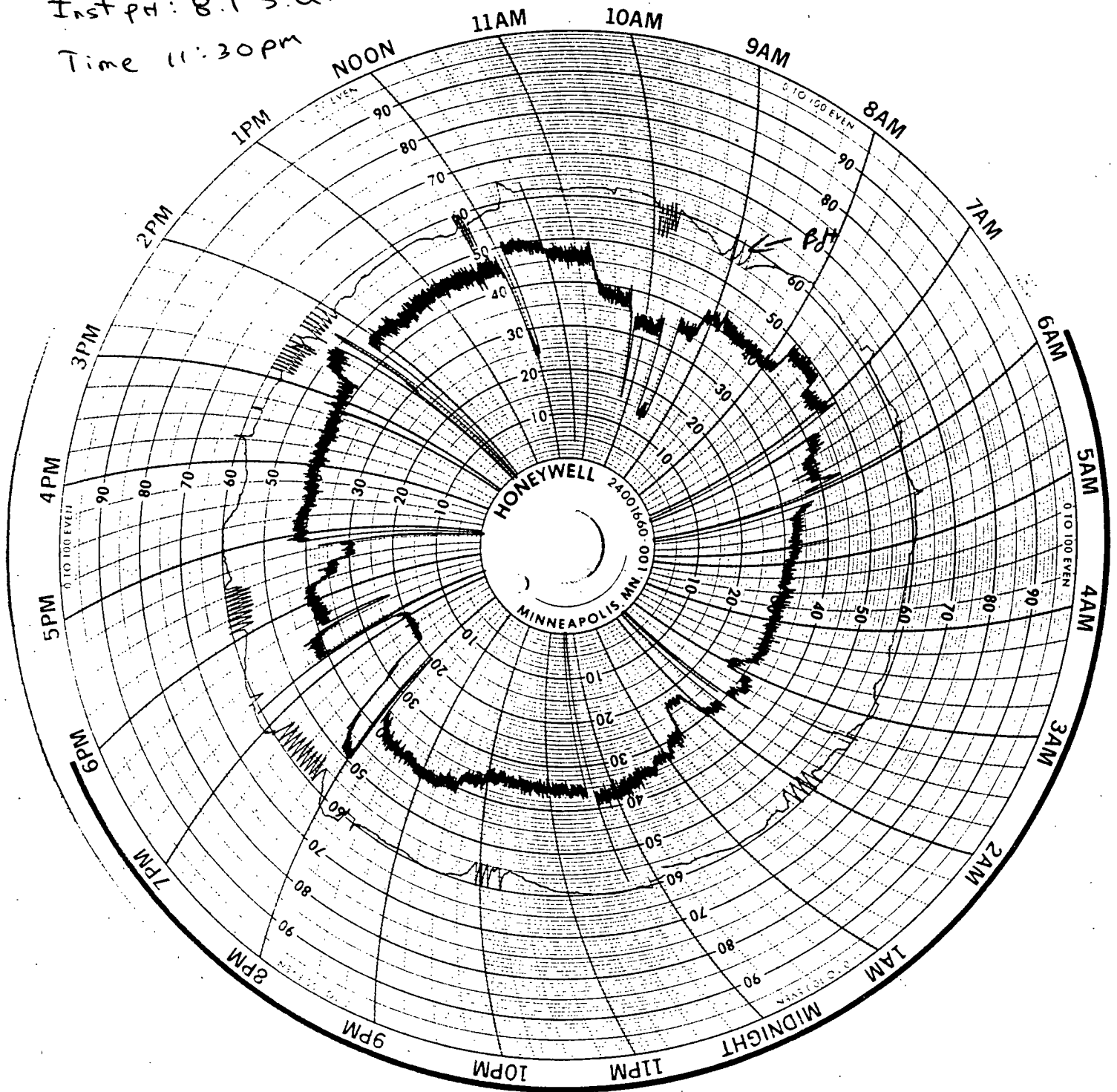
Date 6/25/46

Scale 5.5 - 39.3

9.5 - 67.9

Inst PH: 8.1 S.U.

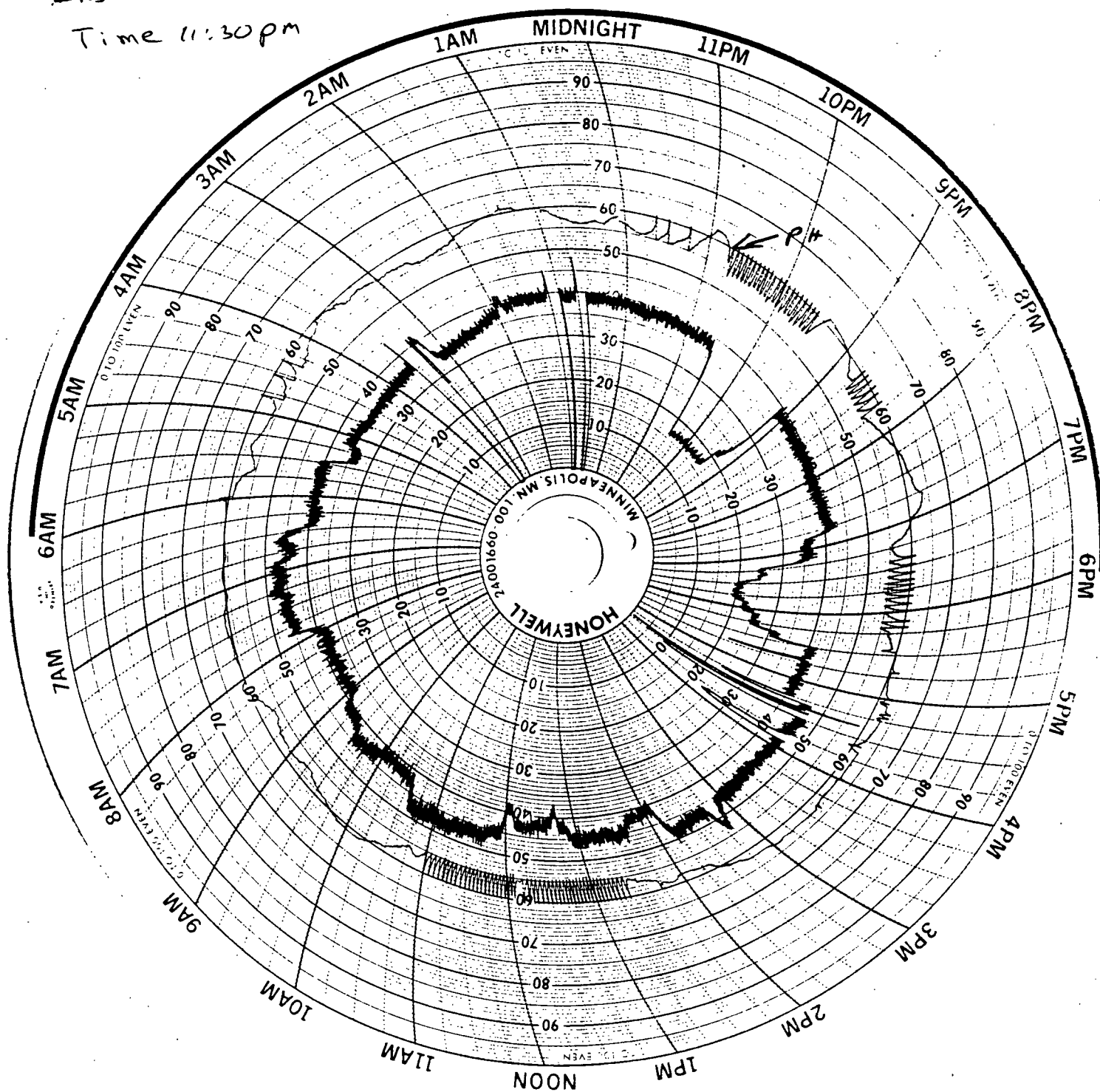
Time 11:30 PM



Date 6/26/46
Scale 5.5-39.3
9.5-67.9

Inst. PH 8.5 S.U.

Time 11:30 PM



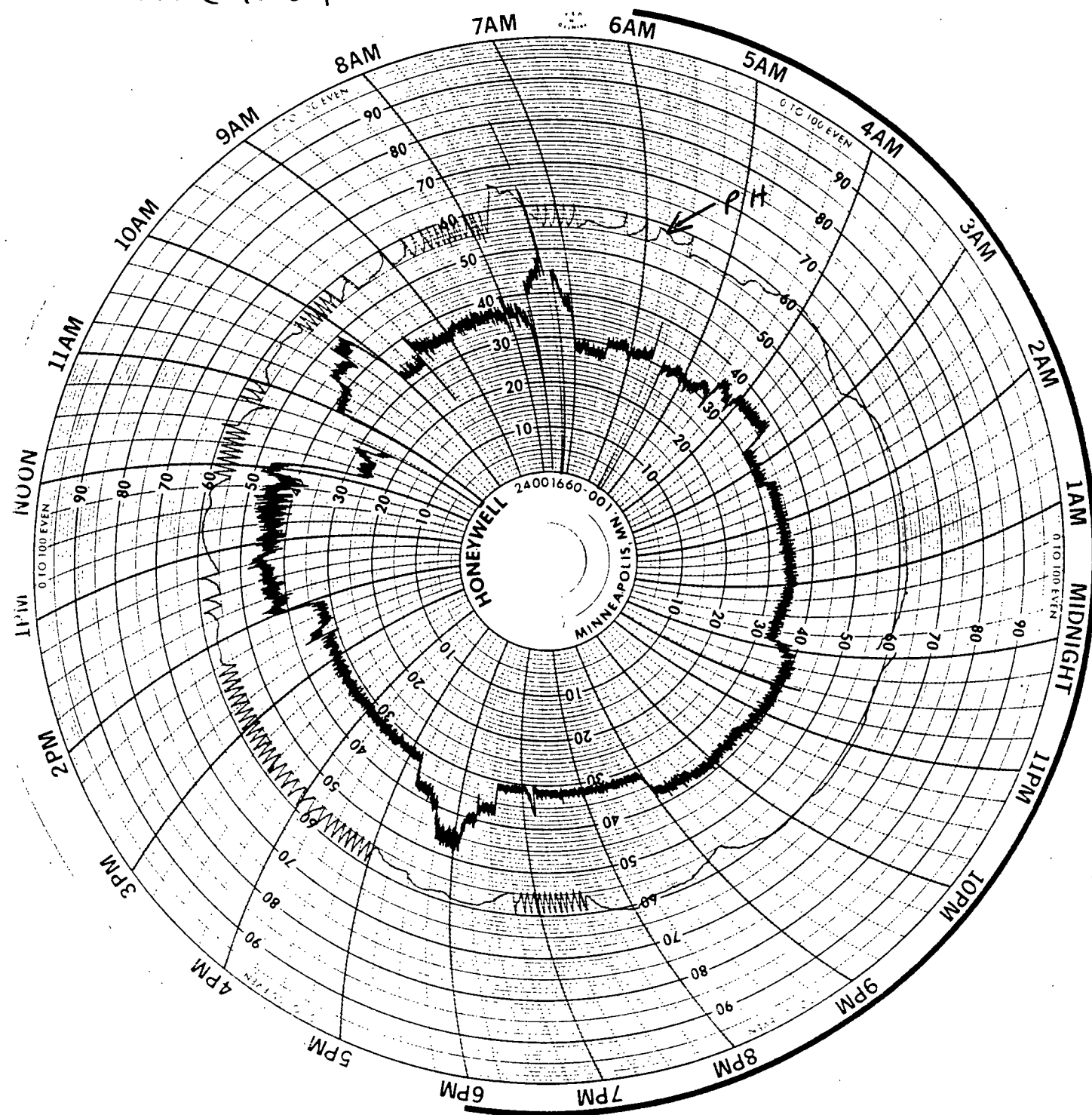
Date 6/27/96

Scale 5.5-39.3

9.5-67.9

Inst. PH 855u.

Time 11:30pm



Attachment 1

Quarterly Laboratory Analysis Reports from ULI

June 12 - 14 (Sewer 2)

June 25 - 28 (Sewer 1)

June 25 - 28 (Sewer 2)

Semi-Annual Laboratory Analysis Report from ULI (Sewer 2)

June 12



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST
SYRACUSE, NEW YORK 13204-1194
478-3755 - 425-2260

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN M. KARANIK
COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 11 DATE ISSUED : January 1, 1988
INDUSTRIAL CODE: 129 EXPIRATION DATE: January 1, 1989
SIC : 3471

Pursuant to Article IV, Section 4.01, of the Rules and Regulations Relating to the Use of the Public Sewer System issued by the County of Onondaga, Department of Drainage and Sanitation,

General Super Plating Company, Inc.

NAME OF COMPANY

is authorized by the Commissioner to discharge industrial wastewater from the industrial facility located at

6608 Joy Road Syracuse, New York 13057
ADDRESS OF COMPANY FACILITY DISCHARGING WASTEWATER

to the Metropolitan Syracuse Wastewater Treatment Facility
NAME OF RECEIVING TREATMENT PLANT

in accordance with the following conditions:

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

1. Sanitary Wastewater
2. Shielding and Electroless Plating Process wastewater which has been treated to comply with pretreatment standards specified in this permit.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interferences with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards. Section 3.08 of the Onondaga County Rules and Regulations requires the permittee to comply with USEPA pretreatment standards if they are more stringent than county effluent limitations.

- (A) USEPA 40 CFR Part 433 Metal Finishing Pretreatment Standards for New Sources:

<u>PARAMETERS</u>	<u>DISCHARGE LIMITATIONS</u>	
	<u>DAILY MAXIMUM (mg/l)</u>	<u>MAXIMUM MONTHLY AVERAGE (mg/l)</u>
Cadmium (Cd)	0.11	0.07
Chromium (Cr)	2.77	1.71
Copper (Cu)	3.38	2.07
Lead (Pb)	0.69	0.43
Nickel (Ni)	3.98	2.38
Silver (Ag)	0.43	0.24
Zinc (Zn)	2.61	1.48
Cyanide, Total (CN-T)	1.20	0.65
Total Toxic Organics#	2.13	---

#Total toxic organics is defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride	Tetrachloroethylene
1,2 Dichloroethane	Freon
Chloroform	Carbon Tetrachloride
1,1,1 Trichloroethane	Benzene
1,1,2 Trichloroethane	Toluene
Trichloroethylene	Xylenes

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

- (B) Onondaga County Effluent Limitations at the point of discharge to the County sewer system.

<u>PARAMETERS</u>	<u>DISCHARGE LIMITATIONS</u>	
	<u>INSTANTANEOUS (1)</u> <u>ALLOWABLE (mg/l)</u>	<u>DAILY (2)</u> <u>ALLOWABLE (mg/l)</u>
Cadmium (Cd)	3.0	2.0
Chromium, Total (Cr)	12.0	8.0
Copper (Cu)	7.5	5.0
Cyanide, Total (CN-T)	3.0	2.0
Lead (Pb)	1.5	1.0
Nickel (Ni)	7.5	5.0
Silver (Ag)	1.5	1.0
Zinc (Zn)	7.5	5.0

- (1) As determined by a grab sample taken of the permittee discharge at any time during the daily operational and/or production period.
- (2) As determined by a composite sample taken of the permittee daily discharge over the operational and/or production period.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4.10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- (1) Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII-Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

<u>DISCHARGE LOCATION</u>	<u>PARAMETERS</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>	<u>TYPE OF SAMPLE</u>
Sewer #1 Pretreatment Plant Outfall	Biochemical Oxygen Demand (BOD)	16 times/year	Composite
	Total Suspended Solids (TSS)	16 times/year	Composite
	Total Phosphorus (TP)	16 times/year	Composite
	pH	16 times/year	Composite
	Cadmium (Cd)	16 times/year	Composite
	Chromium (Cr)	16 times/year	Composite
	Copper (Cu)	16 times/year	Composite
	Total Cyanide (CN-T)	16 times/year	Composite
	Lead (Pb)	16 times/year	Composite
	Nickel (Ni)	16 times/year	Composite
	Silver (Ag)	16 times/year	Composite
	Zinc (Zn)	16 times/year	Composite
	Total Toxic Organics (TTO)	once/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX. TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. During the months of June and December of each year the following data regarding the disposal of pretreatment process sludge shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

- (a) By January 1, 1988 the permittee shall be in compliance with the County effluent limitations and USEPA 40 CFR Part 433 Metal Finishing Pretreatment Standards detailed on pages 3 and 4 of this permit.

Failure to meet this date may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

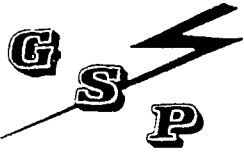
In accordance with 40 CFR 403.12(e), the permittee shall submit a Periodic Report to the county during the months of June and December of each year. Detailed herein are reporting requirements for the permittee subject to the Metal Finishing Pretreatment Standards (40 CFR Part 433). Failure to submit the Periodic Report shall subject the industrial user to the fines and penalties proscribed under Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. The permittee must submit a Periodic Report which shall comply with and include the following:

1. A listing of the nature and concentration of all regulated pollutants in the facility's regulated process waste streams.
 - a. Each sample must be analyzed for all regulated pollutants detailed under Section III on pages 3 and 4 of this permit.
 - b. The sampling and analytical data submitted shall consist of self-monitoring data for the regulated process waste stream.
 - c. Samples shall be collected for three (3) consecutive days typical of normal production.
 - d. Samples shall be collected in accordance with the methods outlined in the regulations. Note that the sample interval for composite samples must not exceed a frequency of one sample every thirty (30) minutes.
 - e. All analyses must be performed by a NYSDOH certified laboratory.
2. A summary of the daily flow rates for the regulated process waste streams including both the average and maximum flow rate for each sampling period.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for each regulated process wastestream. The June Periodic Report shall contain March and June equipment calibration checks. The December Periodic Report shall contain the September and December equipment calibration checks.
4. A summary of the methods used by the permittee to sample and analyze the data and a certification that these methods conform to the outlined in the regulations.
5. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
6. The report must include data on sampling and analysis for the toxic organic compounds listed in the federal regulations. If the permittee wishes to certify that the facility does not discharge toxic organics, an industrial toxic pollutant management plan must be approved by the Commissioner. The elements which must be addressed and submitted are detailed on page 11, Section XVI, of this permit.
7. The report must be signed by an authorized representative of the permittee.

EXHIBIT 10B-1



GENERAL SUPER PLATING CO., INC.

22 CELI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

November 25, 1992

Mr. Joseph Mastriano
County of Onondaga
Department of Drainage and Sanitation
650 Hiawatha Boulevard, West
Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report
General Super Plating Company, Inc.
Wastewater Discharge Permit #11
6606 Joy Road

Dear Mr. Mastriano:

Enclosed please find a completed Self-Monitoring Report for the month of October 1992 for our General Super Plating Company, Inc. facility located at 6606 Joy Road in East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consist of the following items:

- o Form A : Analytical Data for Sewer #1
- o Form A1: Analytical Data for Sewer #3
- o Form C : Water use Data for Sewer #1
- o Form D : Water use Data for Sewer #3
- o Form F : Equipment Calibration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

Rodney Campbell
Environmental Coordinator

G.S.P. (Joy Rd.) Co. Inc.
Self Monitoring Report

Period Covered: October 1, 1992 through October 31, 1992

Date Due: November 30, 1992 Date Submitted: November 25, 1992

Sampling Methodologies: Grab (Y/N): Y Composite (Y/N): Y

Preservation Techniques Used (Y/N): Y

Explain: See Discharge Monitoring Report

Do Analytical Methods Conform to USEPA Methodologies (Y/N): Y

Explain: In accordance with Standard Methods for evaluation
of water and waste water 16th Ed.

Water Usage During Reporting Period (gallons): 504,598

Source(s): Meter Readings

Water Consumed but not Discharged:

Part of Product: 0 Boiler Make-Up: 0

Evaporation: 7,395 SPDES: 0

Off-Site Disposal: 0 Other (specify): None

Number of Operating Days: 22 Number of Employees: 25

Do the Monitoring Results Show Consistent Compliance (Y/N): Y

(If No, attach additional sheets for explanation)

Certification: "I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Preparer:


Rodney J. Campbell

Title:

Environmental Coordinator

Form A: Analytical Data for Sewer #1 (Process Wastewater)

Parameter	Daily Effluent Limitation	Day 1 Date: October 5	Day 2 Date: October 6	Day 3 Date: October 7	Day 1 Date: October 19	Day 2 Date: October 20	Day 3 Date: October 21	Avg.
Cd (mg/l)	.11	.03	.07	.06	.04	.03	.04	.05
Cr (mg/l)	2.77	.6	.6	.8	.7	.6	.6	.65
Cu (mg/l)	3.38	1.1	1.3	1.4	1.0	1.4	.8	1.17
T-CN (mg/l)	1.20	.03	.04	.03	.03	.02	.03	.03
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1
Ni (mg/l)	3.98	1.6	1.8	2.1	1.4	1.7	2.0	1.77
Ag (mg/l)	.43	.01	.02	.01	.01	.01	.02	.01
Zn (mg/l)	2.61	.02	.04	.05	.02	.02	.04	.03
pH (S.U.)	5.5 - 9.5	7.4	7.4	7.5	7.2	7.3	7.1	N/A
TTO's (mg/l)	2.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.**

Form A1: Analytical Data for Sewer #3 (Segregated Groundwater)

Parameter	Daily Effluent Limitation	Day 1 Date: October 5	Day 2 Date: October 6	Day 3 Date: October 7	Day 1 Date: October 19	Day 2 Date: October 20	Day 3 Date: October 21	Avg.
Cr (mg/l)	2.77	.1	.2	.1	.1	.1	.1	.12
Cu (mg/l)	3.38	.2	.2	.1	.1	.1	.1	.13

**** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.**

Form C: Water Use Data for the Month of OCTOBER for Sewer #1

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	27,868	10	2,787
2	32,585	13	2,507
3	NO	PRODUCTION	
4	NO	PRODUCTION	
5	36,095	12	3,008
6	28,110	11	2,555
7	23,130	11	2,103
8	22,266	10	2,227
9	28,739	12	2,395
10	NO	PRODUCTION	
11	NO	PRODUCTION	
12	24,318	11	2,211
13	23,110	11	2,101
14	17,651	10	1,765
15	19,629	10	1,963
16	22,584	12	1,883
17	NO	PRODUCTION	
18	NO	PRODUCTION	
19	15,540	10	1,554
20	20,702	11	1,882
21	20,052	11	1,823
22	16,383	10	1,638
23	23,749	12	1,979
24	NO	PRODUCTION	
25	NO	PRODUCTION	
26	22,340	11	2,031
27	20,957	11	1,905
28	22,400	11	2,036
29	15,973	9	1,775
30	20,417	12	1,701
31	NO	PRODUCTION	

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	3,000	2.5	1,200
2	3,000	2.5	1,200
3	3,000	2.5	1,200
4	NO	PRODUCTION	
5	3,000	2.5	1,200
6	3,600	3.0	1,200
7	900	1.0	900
8	NO	PRODUCTION	
9	NO	PRODUCTION	
10	NO	PRODUCTION	
11	NO	PRODUCTION	
12	3,000	2.5	1,200
13	3,000	2.5	1,200
14	3,000	2.5	1,200
15	NO	PRODUCTION	
16	NO	PRODUCTION	
17	NO	PRODUCTION	
18	NO	PRODUCTION	
19	3,000	2.5	1,200
20	3,000	2.5	1,200
21	3,000	2.5	1,200
22	NO	PRODUCTION	
23	NO	PRODUCTION	
24	NO	PRODUCTION	
25	NO	PRODUCTION	
26	3,000	2.5	1,200
27	3,000	2.5	1,200
28	3,000	2.5	1,200
29	NO	PRODUCTION	
30	NO	PRODUCTION	
31	NO	PRODUCTION	

Form F: Equipment Calibration Summary

[illegible]



GENERAL SUPER PLATING CO., INC.

22 CÉLI DRIVE
EAST SYRACUSE, NEW YORK 13057
(315) 446-2264
FAX (315) 446-4419

March 30, 1993

Mr. Joseph Mastriano
County of Onondaga
Department of Drainage and Sanitation
650 Hiawatha Boulevard, West
Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report
General Super Plating Company, Inc.
Wastewater Discharge Permit #11
6606 Joy Road

Dear Mr. Mastriano:

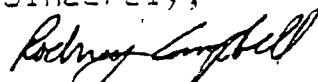
Enclosed please find a completed Self-Monitoring Report for the month of February 1993 for our General Super Plating Company, Inc. facility located at 6606 Joy Road in East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consist of the following items:

- o Form A: Analytical Data for Sewer #1
- o Form A1: Analytical Data for Sewer #3
- o Form C: Water use Data for Sewer #1
- o Form D: Water use Data for Sewer #3
- o Form E: Waste Material Disposal Summary
(with accompanying manifests)
- o Form F: Equipment Calibration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,



Rodney Campbell
Environmental Coordinator

G.S.P. (Joy Rd.) Co. Inc.
Self Monitoring Report

Period Covered: February 1, 1993 through February 28, 1993

Date Due: March 31, 1993 Date Submitted: March 30, 1993

Sampling Methodologies: Grab (Y/N): Y Composite (Y/N): Y

Preservation Techniques Used (Y/N): Y

Explain: See Discharge Monitoring Report

Do Analytical Methods Conform to USEPA Methodologies (Y/N): Y

Explain: In accordance with Standard Methods for evaluation

of water and waste water 16th Ed.

Water Usage During Reporting Period (gallons): 350,644

Source(s): Meter Readings

Water Consumed but not Discharged:

Part of Product: 0 Boiler Make-Up: 0

Evaporation: 6,387 SPDES: 0

Off-Site Disposal: 0 Other (specify): None

Number of Operating Days: 19 Number of Employees: 15

Do the Monitoring Results Show Consistent Compliance (Y/N): Y

(If No, attach additional sheets for explanation)

Certification: "I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Preparer: Rodney J. Campbell

Rodney J. Campbell

Title: Environmental Coordinator

Form A: Analytical Data for Sewer #1 (Process Wastewater)								
Parameter	Daily Effluent Limitation	Day 1 Date: Feb. 1	Day 2 Date: Feb. 2	Day 3 Date: Feb. 3	Day 1 Date: Feb. 16	Day 2 Date: Feb. 17	Day 3 Date: Feb. 18	Avg.
Cd (mg/l)	.11	.05	.03	.06	.03	.03	.05	.04
Cr (mg/l)	2.77	.1	.3	.3	.2	1.1	.1	.35
Cu (mg/l)	3.38	.4	.3	.2	.1	1.3	.3	.43
T-CN (mg/l)	1.20	.03	.03	.04	.02	.03	.05	.03
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1
Ni (mg/l)	3.98	.1	.1	.1	.9	1.3	.5	.5
Ag (mg/l)	.43	.02	.02	.01	.03	.01	.02	.02
Zn (mg/l)	2.61	.01	.03	.03	.04	.02	.03	.03
pH (S.U.)	5.5 - 9.5	8.0	7.5	7.7	7.6	7.8	8.0	N/A
TTO's (mg/l)	2.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A

** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.

Form A1: Analytical Data for Sewer #3 (Segregated Groundwater)

Parameter	Daily Effluent Limitation	Day 1 Date: <i>February</i> 1	Day 2 Date: 2	Day 3 Date: 3	Day 1 Date: 16	Day 2 Date: 17	Day 3 Date: 18	Avg.
Cr (mg/l)	2.77	.1	.1	.1	.4	.3	.4	.25
Cu (mg/l)	3.38	.1	.1	.1	.4	1.0	.5	.37

**** Attach official independent laboratory (must be NYSDOH certified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.**

Form C: Water Use Data for the Month of February 1993 for Sewer #1

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	17,142	9	1,905
2	19,978	9	2,220
3	18,098	9	2,011
4	13,986	8	1,748
5	22,133	12	1,844
6	NO	PRODUCTION	
7	NO	PRODUCTION	
8	19,524	9	2,169
9	16,749	9	1,861
10	18,549	9	2,061
11	23,872	10	2,387
12	16,318	9	1,813
13	NO	PRODUCTION	
14	NO	PRODUCTION	
15	NO	PRODUCTION	
16	20,626	9	2,292
17	20,270	9	2,252
18	22,755	10	2,276
19	14,091	8	1,761
20	NO	PRODUCTION	
21	NO	PRODUCTION	
22	19,387	9	2,154
23	17,498	9	1,944
24	11,681	8	1,460
25	18,572	9	2,064
26	19,415	9	2,157
27	NO	PRODUCTION	
28	NO	PRODUCTION	
29	N/A		
30	N/A		
31	N/A		

Form D: Water Use Data for the Month of February 1993 for Sewer #3

Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	1,620	1.5	1,080
2	1,620	1.5	1,080
3	1,620	1.5	1,080
4	NO	PRODUCTION	
5	NO	PRODUCTION	
6	NO	PRODUCTION	
7	NO	PRODUCTION	
8	1,620	1.5	1,080
9	1,620	1.5	1,080
10	1,620	1.5	1,080
11	NO	PRODUCTION	
12	NO	PRODUCTION	
13	NO	PRODUCTION	
14	NO	PRODUCTION	
15	NO	PRODUCTION	
16	1,350	1.5	900
17	1,350	1.5	900
18	1,350	1.5	900
19	NO	PRODUCTION	
20	NO	PRODUCTION	
21	NO	PRODUCTION	
22	1,620	1.5	1,080
23	1,620	1.5	1,080
24	1,620	1.5	1,080
25	NO	PRODUCTION	
26	NO	PRODUCTION	
27	NO	PRODUCTION	
28	NO	PRODUCTION	
29	N/A		
30	N/A		
31	N/A		

Form E: Waste Material Disposal Summary
(attach manifests where appropriate)

Date	Waste Material	Quantity	Hazardous (Y/N)	USEPA/NY Classification	Method of Disposal and Carrier
2/26/93	Hazardous Waste Solid, NA 9189	4	Y	F006	Recycler: J.B. Hunt Special Commodities

**** Attach USEPA Toxic Chemical Release Inventory Reporting Form R in July SMR as required in Section XV, Part 6 of Permit #11.**

Bureau of Waste Management

P. O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.

OMB No. 2050-0039

Expires 9-30-92

REV. 1/91

FORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

1 of

Information in the shaded areas
is not required by Federal law
but is required by State law.

3. Generator's Name and Mailing Address

GENERAL SUPER PLATING CO., INC.

6606 JOY ROAD, EAST SYRACUSE, NY 13057

4. Generator's Phone

(315) 446-2264

5. Transporter 1 Company Name

J.B. HUNT SPECIAL COMMODITIES INC.

6. US EPA ID Number

PA 931903551

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

WRC PROCESSING COMPANY (Recycling Facility)

Walnut Lane, RD#5, Box 5553

Pottsville, Pa 17901

10. US EPA ID Number

PA 931033227

A. State Manifest Document Number

PAC 5949661

B. State Gen. ID

C. State Trans. ID

PA- A H 10400

D. Transporter's Phone

(800) 368-8539

E. State Trans. ID

PA- 1 1 1 1 1 1

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone (717) 322-4747

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. RQ HAZARDOUS WASTE, SOLID, N.O.S., ORH-E, NA9189
(F006)

004

3A

000004

Y

7006

J. Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐

S L

c. ☐☐b. ☐☐d. ☐☐

K. Handling Codes for Wastes Listed Above

T23/T59/T5Q

T13 Drying

b.

d.

15. Special Handling Instructions and Additional Information

SYS HANDLING CODE -R

EMERGENCY CONTACT (315) 446-2264

CHEM-TREC 24 HOUR EMERGENCY RESPONSE 1-800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Rodney J. Campbell

Signature

Rodney J. Campbell

MONTH DAY YEAR

10 2 26 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

V. H. MILLER

Signature

V. H. Miller

MONTH DAY YEAR

10 2 26 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

E - should read - SAME

KA - should be T5Q - NOT T5R
WT LISTED IN LBS FOR WRC RECORDS ACTUAL WT. 5375 LBS

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Joseph W. Mackey

Signature

Joseph W. Mackey

MONTH DAY YEAR

10 2 27 93

Form P. Equipment Calibration Summary

[illegible]



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST
SYRACUSE, NEW YORK 13204-1194
478-3755 - 425-2260

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN M. KARANIK
COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 14 DATE ISSUED : December 16, 1987
INDUSTRIAL CODE: 529 EXPIRATION DATE: December 16, 1990
SIC : 3471

Pursuant to Article IV, Section 4.01, of the Rules and Regulations Relating to the Use of the Public Sewer System issued by the County of Onondaga, Department of Drainage and Sanitation,

General Super Plating Company (Joy Road-Adhesives)
NAME OF COMPANY

is authorized by the Commissioner to discharge industrial wastewater from the industrial facility located at

6608 Joy Road East Syracuse, New York 13057
ADDRESS OF COMPANY FACILITY DISCHARGING WASTEWATER

to the Metropolitan Syracuse Wastewater Treatment Facility
NAME OF RECEIVING TREATMENT PLANT

in accordance with the following conditions:

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

1. Sanitary Wastewater
2. Wastewater originating from dilute acid and Oaklite caustic cleaning line processes discharged at the Joy Road Adhesives plant (sewer #1). This wastewater must be pretreated to a pH between 5.5 and 9.5 standard units.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interferences with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The discharge of wastewater having a pH lower than 5.5 or higher than 9.5 is prohibited. The local effluent limitations are detailed in Article III of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. This section of the permit may be modified at any time to contain specified parameters and numeric effluent limitations due to any change in requirements of Section 307 of Public Law 92-500 or any other local, state, or federal standards. A timetable will be established in the schedule of compliance section of this permit allowing reasonable time to comply with any modifications made to this permit.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4.10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- (1) Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

<u>DISCHARGE LOCATION</u>	<u>PARAMETERS</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>	<u>TYPE OF SAMPLE</u>
Sewer #1 Joy Rd.	Biochemical Oxygen Demand (BOD)	12 times/year	Composite
Adhesives Plant Effluent	Total Suspended Solids (TSS)	12 times/year	Composite
	Total Phosphorus (TP)	12 times/year	Composite
	pH	12 times/year	Composite
	Chromium (Cr)	12 times/year	Composite
	Copper (Cu)	12 times/year	Composite
	Oil & Grease	12 times/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX. TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. Upon the request of the Commissioner the following data shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

- (a) Beginning January 1, 1988, the permittee shall maintain a weekly log of water consumption to be submitted in the periodic report as outlined on page 8 of this permit. The log should include date, time, initial and final meter reading, total daily usage and initials of operator taking the readings.
- (b) By February 1, 1988 the permittee shall install a continuous pH recording meter.
- (c) By February 1, 1988 the permittee shall be in compliance with the county pH limits as stated on page 3 in the Effluent Limitations and Pretreatment Standards section of this permit.

Failure to meet these dates may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

The permittee shall submit a Self-Monitoring Report during the months of June and December of each year. Failure to submit a Self-Monitoring Report is a violation of this permit. The Self-Monitoring Report shall comply with and include the following:

1. A summary of the average and maximum flow rates to be used in conjunction with the annual water usage data for the computation of the industrial waste surcharge.
2. A summary of pH violations for sewer #1 as determined via a review of the continuous pH recording meter for the entire periodic report self-monitoring period.
3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for the regulated process wastestream. The June Self-Monitoring Report shall contain March and June equipment calibration checks. The December Self-Monitoring Report shall contain the September and December equipment calibration checks.
4. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
5. The report must be signed by an authorized representative of the permittee.

XVI. RECORD KEEPING

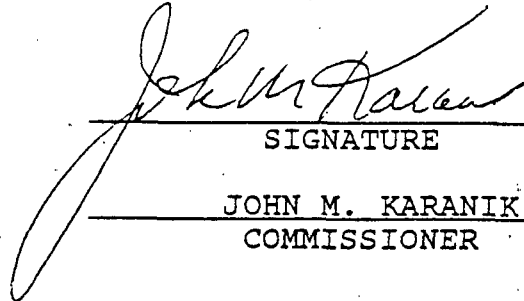
Records of all information resulting from self-monitoring activities shall be maintained for a minimum of three (3) years in accordance with 40 CFR 403.12(n). These records shall be available for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVII. AUTHORIZATION AND AGREEMENT

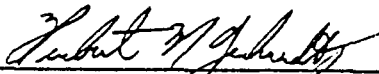
This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee. This permit shall expire three (3) years from the date of issuance. The permittee shall not discharge after the date of expiration. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system beyond the date of expiration, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by the Commissioner no later than 120 days prior to the expiration date.

12/31/87
DATE

By the authority of


SIGNATURE
JOHN M. KARANIK
COMMISSIONER

I hereby agree to comply with the terms, conditions and requirements of this permit.


SIGNATURE OF PERMITTEE OR
AUTHORIZED REPRESENTATIVE

HERBERT N. GERHARDT
PRINTED NAME OF PERSON SIGNING

23 Dec 87
DATE

PRES
TITLE

EXHIBIT 13A

COUNTY OF ONONDAGA
DEPARTMENT OF DRAINAGE AND SANITATION

IN THE MATTER OF THE COMPLAINT

AGAINST

GENERAL SUPER PLATING CO., INC.

STIPULATION

Permittee,

Arising out of alleged violations of the
Onondaga County Rules and Regulations
Relating to the Use of the Public Sewer
System.

WHEREAS, GENERAL SUPER PLATING CO., INC. has admitted to
violating the Onondaga County Rules and Regulations Relating to
the Use of the Public Sewer System; and

WHEREAS, on or about and between the months of July 1987 to
January 1988, GENERAL SUPER PLATING CO., INC. disposed of
industrial waste in violation of the aforesaid Rules and
Regulations; and

WHEREAS, the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND
SANITATION (the COUNTY) has by Local Law No. 3-1983 and more
particularly by Sections 7.01 and 7.03 of the aforesaid Rules and
Regulations, the authority to impose costs and civil penalties on
the Permittee.

NOW, THEREFORE, it is agreed:

1. That GENERAL SUPER PLATING CO., INC. shall pay to the
ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION the sum of
Thirteen Thousand Three Hundred Thirty Dollars and 90/100 cents
(\$13,330.90) as reimbursement for costs incurred by the COUNTY
from November 20, 1987 to March 31, 1988 for daily sampling and
analysis of Permittee's wastewater discharges.

2. That commencing April 1, 1988 and ending December 31,
1988, GENERAL SUPER PLATING CO., INC. will institute a self-
monitoring program whereby on a biweekly basis Permittee will
sample its wastewater discharge on three consecutive days that
are typical and representative of normal operating conditions.

Page two

3. That commencing April 1, 1988 and ending July 31, 1988, all analysis of the biweekly samples will be performed by a laboratory certified by the New York State Department of Health. On or before August 14, 1988 the COUNTY must notify GENERAL SUPER PLATING CO., INC. in writing, whether future analysis of the samples must be performed by a certified laboratory or whether Permittee can analyze said samples utilizing equipment owned and operated by Permittee.

4. That sampling will be for all parameters required by the Industrial Waste Discharge Permits issued to GENERAL SUPER PLATING CO., INC. by the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION. Excluded from the list of parameters to be analyzed for is total toxic organics (TTO) which is defined in the permits.

5. That commencing May 1, 1988 and ending December 31, 1988, GENERAL SUPER PLATING CO., INC. will transmit to the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION on a monthly basis written reports of the results of the self-monitoring activities described in paragraphs 2 through 4 above.

6. That calibration of equipment used by GENERAL SUPER PLATING CO., INC. for analyzing samples pursuant to this STIPULATION and its Industrial Wastewater Discharge Permits be done on a quarterly basis.

7. That prior to January 1, 1989, the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION must notify GENERAL SUPER PLATING CO., INC. in writing of the self-monitoring and reporting procedures to be employed by Permittee during 1989.

8. That GENERAL SUPER PLATING CO., INC. will develop an employee training program dealing with emergency response to spills, equipment malfunction or failure and uncontrolled discharges. Said program must be submitted to the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION by June 15, 1988 for approval by the Commissioner of Drainage and Sanitation. Approval of the proposed training program shall not be unreasonably withheld. Appropriate current and future employees will be trained as soon as practicable. Notification procedures implemented for accidental releases or pretreatment system failure must reflect the requirements contained in the Permittee's discharge permits with respect to immediate verbal notification followed by a written report to the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION.

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9. That nothing in this STIPULATION shall relieve GENERAL SUPER PLATING CO., INC. from its obligations pursuant to the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System and all requirements contained in the Permittee's Industrial Wastewater Discharge Permits.

10. That the provisions of this STIPULATION apply to wastewater discharges from GENERAL SUPER PLATING CO., INC. facilities located at Celi Drive and Joy Road.

11. That payment of said sum and compliance with paragraphs 2 through 10 shall be in full and final satisfaction of any and all costs, charges and penalties and/or expenses associated with the aforementioned violations. Failure to comply with all provisions of this STIPULATION will subject GENERAL SUPER PLATING CO., INC. to further enforcement actions pursuant to the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

Sworn to before me this
3rd day of May 1988.

[Signature]
Notary Public
Notary Public, State of New York
Qualified in Onondaga Co. No. 4804569
My Commission Exp. May 30, 1991

Sworn to before me this
3rd day of May 1988.

[Signature]
Notary Public
HILARY R. VOZZO
Notary Public, State of New York
Qualified in Onondaga Co. No. 4804569
My Commission Exp. May 30, 1991

[Signature]
JOHN M. KARANIK, Commissioner
Department of
Drainage and Sanitation
County of Onondaga

GENERAL SUPER PLATING CO., INC.

By [Signature]

COUNTY OF ONONDAGA
DEPARTMENT OF DRAINAGE AND SANITATION

In The Matter of the Complaint
against

STIPULATION

GENERAL SUPERPLATING CO., INC
Respondent

WHEREAS, General Superplating Co., Inc. (Respondent) owner of the Celi Drive and Joy Road facilities, is charged with violating the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System (Rules and Regulations);

WHEREAS, the Onondaga County Department of Drainage and Sanitation (the County) has by Local Law No. 3-1983 and, more particularly, by Section 7.01 and 7.03 of the aforesaid Rules and Regulations the authority to impose costs and civil penalties on the Respondent; and

WHEREAS, Respondent desires to settle and compromise the alleged violations in order to avoid costly and protracted litigation and without admitting nor denying violations; and

WHEREAS, General Superplating has challenged numerous of the alleged violations based on their interpretation of the Rules and Regulations, the permit terms, sampling methodologies and documentation; and

WHEREAS, General Superplating has submitted a Wastewater Treatment Evaluation Report dated June, 1994 to the County; and

WHEREAS, this Stipulation shall cover all violations occurring at Respondent's Joy Road and Celi Drive facilities that are known to the County during the period of 1988 to the date of execution of this agreement;

NOW, THEREFORE, it is agreed:

FIRST: The Respondent shall pay the sum of Forty-One Thousand Eight Hundred Dollars (\$41,800) to the County as a fine for alleged metal and pH violations.

SECOND: The Respondent shall pay the sum of Three Thousand Eight Hundred Dollars (\$3,800) to the County as a fine for alleged self-monitoring deficiencies.

THIRD: The Respondent shall pay the sum of Twelve Thousand Five Hundred Dollars (\$12,500) to the County as a fine for the alleged failure to notify the County of effluent limit violations pursuant to the terms of Respondent's Industrial Wastewater Discharge Permit.

FOURTH: The Respondent shall pay the sum of Thirty-Three Thousand Dollars (\$33,000) to the County as a fine for the alleged unpermitted shielding line discharge.

FIFTH: The Respondent shall pay the sum of Twenty-Two Thousand Eight Hundred and Sixteen Dollars (\$22,816) to the County as reimbursement for administrative costs.

SIXTH: Of the aggregate sum of One Hundred Thirteen Thousand Nine Hundred and Sixteen Dollars (\$113,916), the amount of Sixty-Six Thousand Four Hundred and Ten Dollars (\$66,410) shall be suspended in consideration of the Respondent's expenditures to implement the wastewater program enhancements as required by this stipulation. The amount of Forty-Seven Thousand Five Hundred and Six (\$47,506) shall be paid according to the terms in the attached Schedule A.

SEVENTH: The Respondent shall submit a draft plan to the County for approval no later than August 1, 1995 to establish operating capacities for the Lamella Gravity Settler using information from Lamella (Parkson Engineers) in conjunction with bench testing/settling tests results to determine the need for reducing solids loading/solids recirculating flow and/or installation of additional tankage for increased hydraulic detention time. The final approved plan must be submitted to the County no later than October 2, 1995. Said plan shall also evaluate the most current wastewater and solids management technologies for optimizing treatment processes such as alternative precipitants, and automated controls.

EIGHTH: The Respondent shall submit a draft plan to the County for approval no later than August 1, 1995, which standardizes and makes current all of Respondent's general (in-house) laboratory and documentation procedures. The final approved plan must be submitted to the County no later than October 2, 1995.

NINTH: The Respondent shall submit a draft plan to the County for approval no later than September 1, 1995, which updates and makes current Respondent's Operation and Maintenance (O&M) Manual to include equipment, preventative maintenance check logs, and routine inventory of equipment conditions. The final approved plan must be submitted to the County by no later than November 1, 1995.

TENTH: By no later than November 1, 1995 the Respondent shall have installed a flow proportioning/flow monitoring system at Sewer #2. Respondent shall provide a sampling location which allows ready access to Sewer #2 Effluent without the assistance of a GSP employee. Plans for said system must be submitted to the County no later than September 1, 1995 and must be approved by the County prior to installation.

ELEVENTH: By no later than September 1, 1995 the Respondent shall provide documentation to the County for approval of plans for an enhanced operator training program which uses the updated O&M Manual as a resource. By December 1, 1995 the Respondent shall provide training by a third party, approved by the County, to Respondent's wastewater treatment operators.

TWELFTH: By no later than August 1, 1995 the Respondent shall submit a draft to the County for approval of a "Slug Control Discharge Plan." Said approved plan shall be

implemented by no later than September 1, 1995.

THIRTEENTH: By no later than September 1, 1995 the Respondent shall submit to the County for approval a draft plan for a Pollution Prevention Program including a review of current and innovative technology for recovery/reuse, water reduction, and replacement chemistries. This plan will include a review of pollution prevention efforts from 1988 to present. Said approved plan shall be implemented no later than November 1, 1995.

FOURTEENTH: By no later than October 2, 1995 the Respondent shall submit to the County for approval a draft Employee Training Program. Said program shall at a minimum, familiarize all employees with terms of the Respondent's Wastewater Discharge Permit, and the Slug Control Plan.

FIFTEENTH: Failure by the Respondent to comply with any requirement of this Stipulation shall require it to pay upon demand of the County subject to Respondent's defenses and right of administrative and/or judicial review consistent with applicable laws, rules and regulations, stipulated penalties as follows for the period of one year from the date of execution of this stipulation by Respondent:

NATURE OF VIOLATION	STIPULATED PENALTY PER VIOLATION
PERMIT EXCEEDENCES FOR <u>Heavy Metals</u>	
One Magnitude over permit limits	\$300
Two Magnitudes over permit limits	\$650
Three Magnitudes over permit limits	\$1,000
pH EXCEEDENCES	\$100
UNPERMITTED DISCHARGES	\$100/Day
MISSED COMPLIANCE/SUBMISSION DEADLINE	\$25/Day
SMR DEFICIENCIES	\$100/DEFICIENCY Unless corrected within 15 days of receipt of Notice of Deficiency

WJ/Baz

SIXTEENTH: That the terms and conditions of this Stipulation may be delayed or modified: 1) upon written consent of the County, upon good cause shown, which consent shall not be unreasonably denied; or 2) if the Respondent, its consultants, or agents cannot comply with the terms of this Stipulation because of an Act of God, war, strike, or other condition as to which conduct on the part of the Respondent, its consultants or agents was not the proximate cause; provided, however, that the Respondent notifies the County within 24 hours by telephone and within 5 days in writing when it obtains knowledge of any such condition and requests an appropriate extension or modification of the provisions hereof.

SEVENTEENTH: That this Stipulation shall apply to, and be binding upon, the parties, their offices, agents, servants, employees, successors and assigns.

EIGHTEENTH: That nothing in this Stipulation shall relieve Respondent from its obligations pursuant to the Onondaga County Rules and Regulation Relating to the Use of the Public Sewer System and all requirements contained in the Respondent's Industrial Wastewater Discharge Permit nor hinder the County from seeking penalties for violations not addressed in this stipulation.

NINETEENTH: That payment of said sums and compliance with paragraphs FIRST through EIGHTEENTH shall be in full and final satisfaction of any and all costs, charges, penalties and/or expenses associated with any and all violations of the aforesaid Rules and Regulations by Respondent known to the County at the time of execution of this stipulation.

DATED: July 19, 1995

John M. Karanik
John M. Karanik, Commissioner
Department of Drainage and
Sanitation

Sworn to before me this 19th
day of July 1995

Merle H. Pirano
Notary Public

MERLE H. PIRANO
Notary Public of the State of N.Y.
Qual. in On. Co. No. 4906968
My Commission Exp. Sept. 21, 1995

DATED: June 30, 1995

William B. Southwell
Corporate Officer
General Superplating Co., Inc.

Sworn to before me this 30th
day of June 1995

Doreen A. Simmons
Notary Public

DOREEN A. SIMMONS
Notary Public, the St. of New York
Qualified Onon. Co. No. 4698342
My Commission Exp. Mar. 30, 1997

Schedule A

Payment of Penalty

Date	Amount
July 1, 1995	\$11,876.50
November 1, 1995	\$11,876.50
April 1, 1996	\$11,876.50
July 1, 1996	\$11,876.50

Payment of fine should be made to:

Onondaga County Department of Drainage and Sanitation
650 Hiawatha Boulevard, West
Syracuse, New York 13204-1194
Attention: David J. Frachetti

EXHIBIT 13A-1

Response of GSP to Joint Request for Information.

EXHIBIT 13A-1

Summary of NOV/Exceedances 1988-1994

DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
3/8/94	Ni 5.6/4.1 (cont.; Upstate)	
12/15/93	Ni 6.2/4.1 (County)	
10/30/93	Total Metals 16.59/10.5 (County) Ni 8.84/4.1 (County) Total Metals 104.88/10.5 (County) Ni 59.0/4.1 (County) Cu 11.4/4.5 (County) Cr 34.2/7.0 (County) Ni 100/4.1 (GSP) Cu 12.5/4.5 (GSP) Cr 10.6/7.0 (GSP) Ni 9.6/4.1 (GSP)	NOV - 11/24/93
10/27/93	Ni 14.4/7.5 (grab; County) Cu 12.6/7.5 (grab; County) Cr 17.7/12.0 (grab; County)	NOV - 11/24/93
10/18/93	Ni 4.61/4.1 (County)	NOV - 11/24/93
10/12/93	Total Metals 13.74/10.5 Ni 4.42/4.1 (County) Cr 7.38/7.0 (County)	NOV - 11/24/93
10/7/93	Total Metals 73.22/10.5 Cu 12.7/4.5 (County) Ni 17.2/4.1 (County) Cr 43/7.0 (County)	NOV - 11/24/93
9/30/93	Cr 7.79/7.0 (County) Total Metals 11.24/10.5	NOV - 11/24/93
9/27/93	Cr. 13.8/12.0 (grab; GSP) Ni 9.01/7.5 (grab; County) Cu 15.2/7.5 (grab; County) Cr 38.6/12.0 (grab; County)	NOV - 11/24/93
9/24 - 27/93 4 Day Ave.	Ni 5.36/2.6 (computation)	NOV - 11/24/93
9/26-29/93 4 Day Ave.	Ni. 3.98/2.6 (computation)	NOV - 11/24/93
9/25-28/93 4 Day Ave.	Ni 5.37/2.6 (computation) Cu 9.82/2.7	NOV - 11/24/93
9/26/93	Cu 33.5/4.5 (County) Total Metals 49.21/10.5 Ni 13.2/4.1 (County)	
9/25/93	Total Metals 11.93/10.5 Ni 6.36/4.1 (County)	

DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
9/23-26/93 4 Day Ave.	Ni 5.32/2.6 (computation)	
9/21/93	Total Metals 15.7/10.5 Ni 7.99/4.1 (County)	
9/8-11/93 4 Day Ave.	Ni 3.0/2.6 (computation)	
9/10/93	Ni 15.2/7.5 (grab; County)	NOV - 11/24/93
7/21/93	Cr 15.7/12.0 (grab; County)	NON - 9/2/93
3/18/93	Ni 4.66/4.1 (comp.; GSP) Ni 5.0/4.1 (comp.; GSP) Ni 9.7/4.1 (comp.; GSP)	NON ¹ - X
1/21/93	Ni 4.65/4.1 (grab; County)	NON 4/28/93
1/6/93	Ni 9.13/4.1 (comp.; County)	NON 4/28/93
10/21/92	Total Metals 12.81/10.5 (computation) Ni 14/4.1 (comp.; GSP)	
9/10-11/92	Ni 6.8/4.1 (comp.; Upstate)	
8/3/92	Ni > 4.1/4.1 (GSP - NO SAMPLE)	
6/3/92	Ni 45.2/(56.0)/4.1 (comp.; GSP)	
1/6/92	Cu 5.70/4.5 (comp.; GSP)	
3/6/91	Ni 6.00/4.1 Total Metals 10.61/10.5	
3/11/91	Ni 4.60/4.1	
2/6/91	Pb .80/.60	
2/5/91	Pb .80/.60	
1/9/91	Cu 6.50 (7.50)/4.5 Ni 4.80 (5.80)/4.1 Cr 11.70 (19.00)/7.0 Total Metals 23.04/10.5	
6/19/89	Cr 14.76/7.0 Total Metals 16.04/10.5	
10/18/89	Ni 5.20/4.1 Ni 4.50/4.1	
10/3/89	Cu 4.71/4.5	
5/4/89	Ni 4.23/4.1	
3/3/89	Ni 4.32/4.1	

¹Notice of Non-Compliance.

DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
10/5-6/88	Cu 22.0/4.5 Ni 4.8/4.1 Total Metals 33.65/10.5	
9/15/88	Cr 8.52/7.0	
8/1/88	Cr 73.0/12.0	
6/22-23/88	Cu 9.6 (10.0)/4.5	

DATE	pH EXCURSIONS/ PERMIT LIMIT 5.9 -9.5
4/27/94	9.6 (County; grab)
3/8-9/94	> 9.5 (Upstate)
2/9/94	9.9 (County; grab)
12/20/93	4.7 (GSP)
11/18/93	9.6 (County; grab)
11/10/93	9.8 (County; grab)
10/22/93	9.9 (Upstate; composite)
3/18/93	9.8 (County; grab)
1/21/93	9.8 (County; grab)
7/29/92	9.9 (County; grab)
6/10/92	9.7 (GSP; in site)
9/5/91	9.9 (OCDDS; composite)
1/9/91	10.9 (Upstate; comp.)
12/6/89	9.7 (Upstate; comp.)
12/5/88	9.8 (Upstate; comp.)
8/18/88	10.0 (Upstate; comp.)
8/17/88	9.8 (Upstate; comp.)
6/23/88	9.9 (Upstate; comp.)

Note: Actual NOV's and related correspondence available upon request.